



SEPARATOR



54-00068



HAZ WASTE



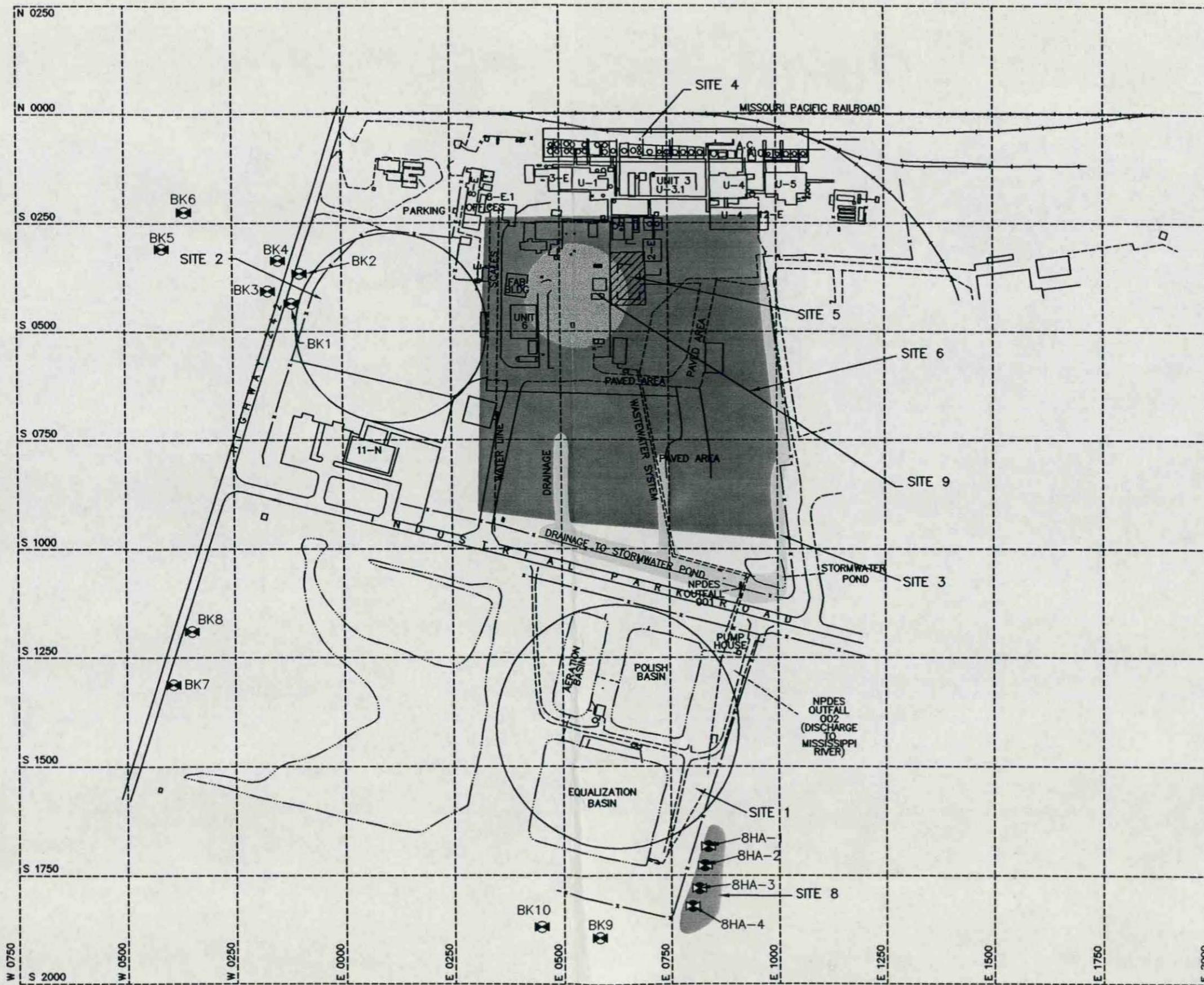
COMPLIANCE



09/21/2001



NA



LEGEND

- WATER OR DRAINAGE
- ROAD
- TRAIL
- SIDEWALK
- RAILROAD
- BUILDING
- FENCE
- SUBSURFACE PIPING (APPROX.)
- - BACKGROUND SAMPLE

250 0 250
SCALE FEET

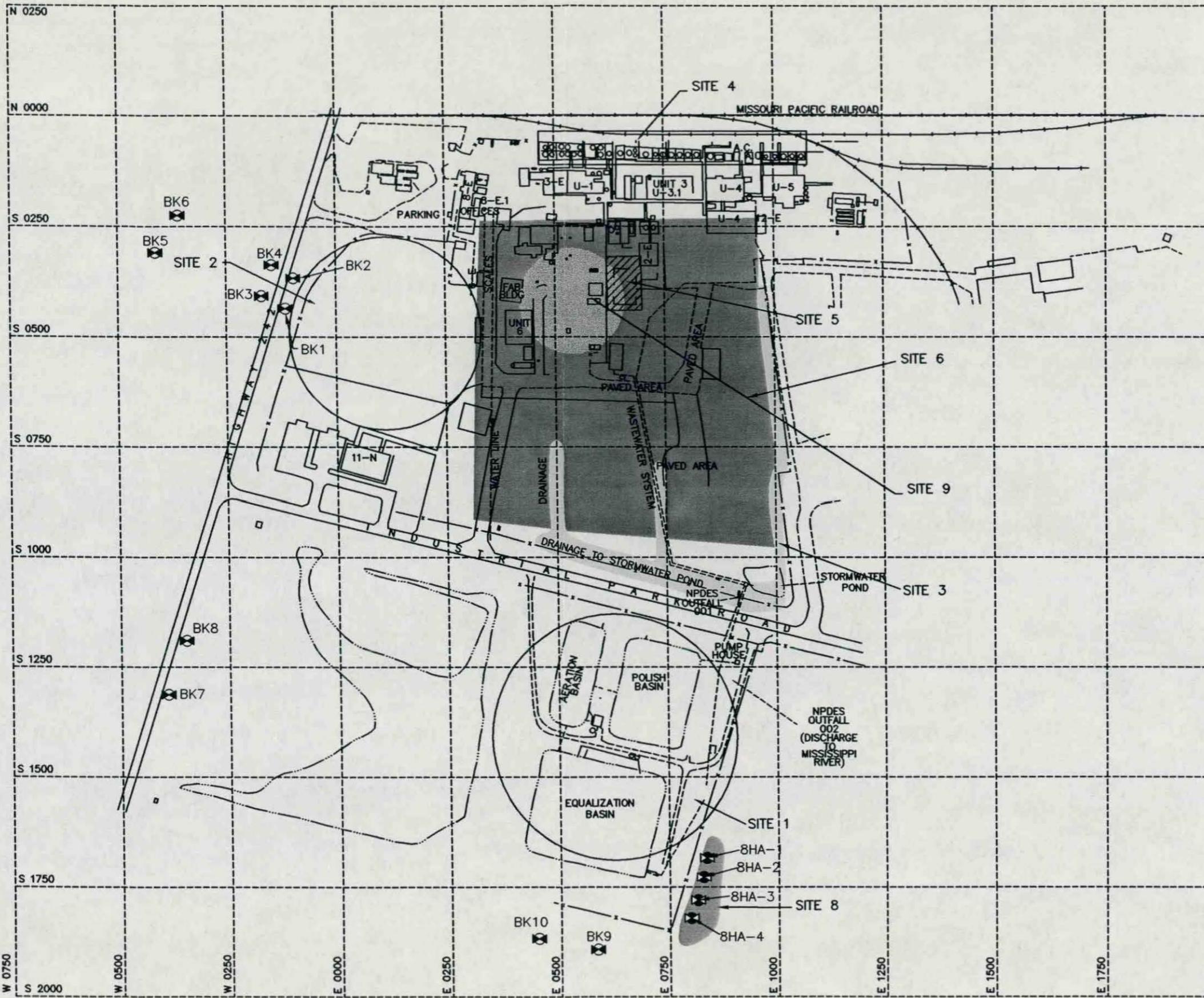
MAP SOURCE: DELTA PROCESS MANAGEMENT, INC.

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RALEIGH, NC COLOGNE, GERMANY

FIGURE 2
SITE MAP
CEDAR CHEMICAL
RISK ASSESSMENT

DWG DATE: 10/01/99 DWG NAME: 2162B002



LEGEND

- WATER OR DRAINAGE
- ROAD
- TRAIL
- SIDEWALK
- RAILROAD
- BUILDING
- FENCE
- SUBSURFACE PIPING (APPROX.)
- BACKGROUND SAMPLE

250 0 250
SCALE FEET

MAP SOURCE: DELTA PROCESS MANAGEMENT, INC.

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PENSACOLA, FL

FIGURE 2
SITE MAP
CEDAR CHEMICAL
RISK ASSESSMENT

GROUNDWATER MONITORING REPORT

CEDAR CHEMICAL CORPORATION

Prepared for:



**Cedar Chemical Corporation
West Helena, Arkansas 72390**

Prepared by:



**EnSafe Inc.
5724 Summer Trees Drive
Memphis, Tennessee 38134
(901) 372-7962**

September 21, 2001



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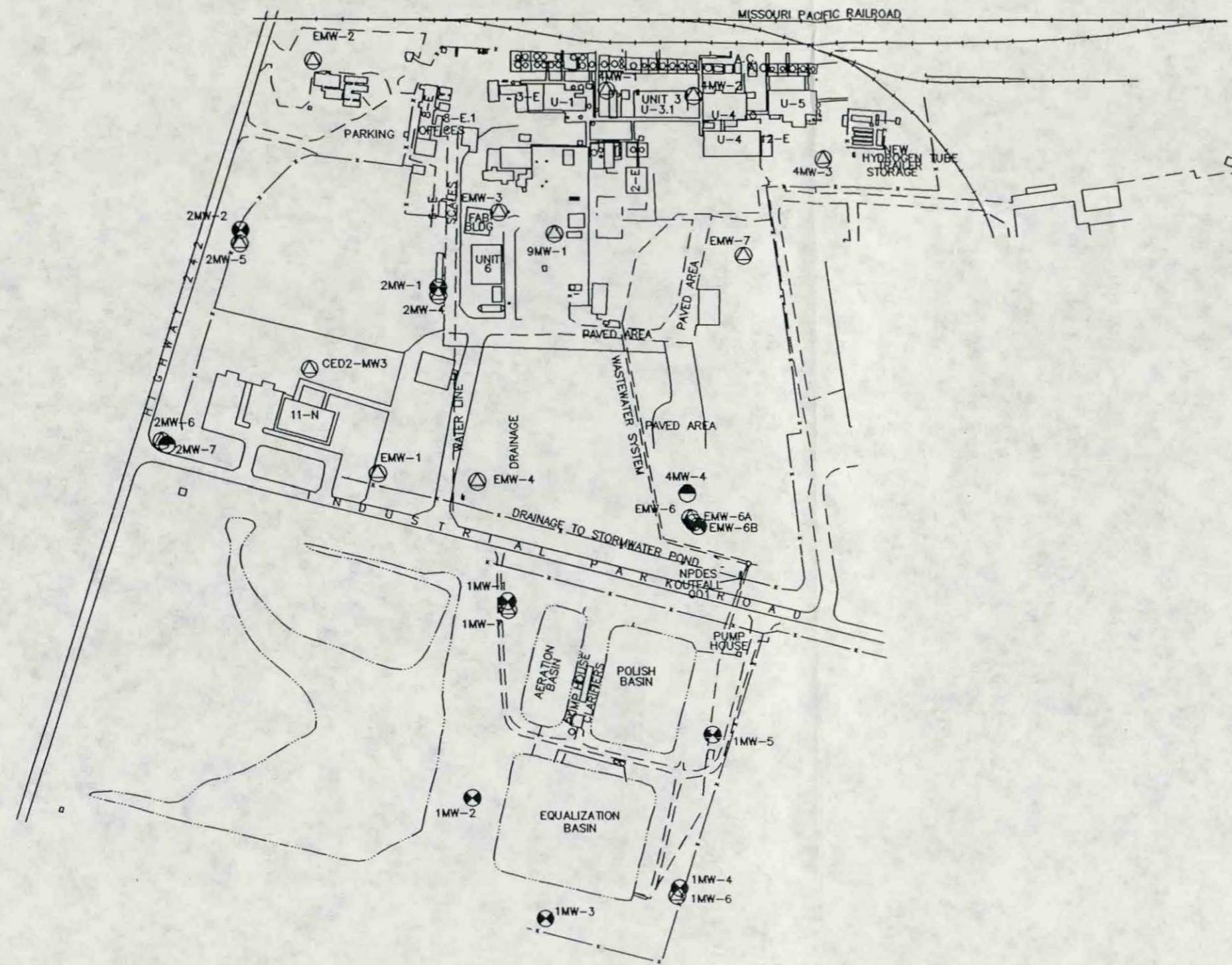
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1.0 INTRODUCTION

Cedar Chemical Corporation (Cedar) conducted a Facility Investigation (FI) pursuant to Consent Administrative Order No. LIS 91-118, issued by the Arkansas Department of Environmental Quality (ADEQ) in 1991, for the Cedar facility in West Helena, Arkansas. As part of the FI, 32 wells were installed on the Cedar Chemical facility including two offsite well pairs. Eight of the 32 wells are screened in the deep, noncontinuous surficial saturated zone overlying the alluvial clay semiconfining unit. The remaining 24 wells are screened in the alluvial aquifer overlying the Jackson/Claiborne Group (Jackson Clay). During the July groundwater sampling event, eight offsite agricultural wells were also sampled. Based on previous sampling events and the March 2001 Risk Assessment Report, it has been determined that the primary site constituents of concern (COC) in the alluvial aquifer are benzene, chloroform, 1,2-dichloroethane, 1,1,2-trichloroethane, and toluene.

Groundwater sampling was conducted in April and July 2001 to monitor the changing conditions of the contamination in the alluvial aquifer and the surficial saturated zone. Groundwater samples were analyzed for volatile organic compounds (VOCs), semivolatile organic compounds (SVOCs), pesticides, and arsenic. All onsite well locations are presented in Figure 1. Offsite and agricultural well locations are presented in Figure 2.

During both the April and July 2001 sampling event, all monitoring wells except existing the MW-6/6a/6b well cluster, Site 4 MW-2, and Site 2 MW-1 were sampled. The MW-6/6a/6b well cluster, located on a small island in a channel of the storm water treatment system, was inaccessible due to high water. Site 4 MW- 2 was not sampled because roadway construction in the area had covered the flush-mount well with asphalt. Site 2 MW-1 is screened in a seasonal, perched, saturated zone and extremely low water levels in the well indicated that, even with extended time allowance for recharge, it would not yield sufficient water for sampling. The results of the July and April 2001 sampling events are presented in Section 3.



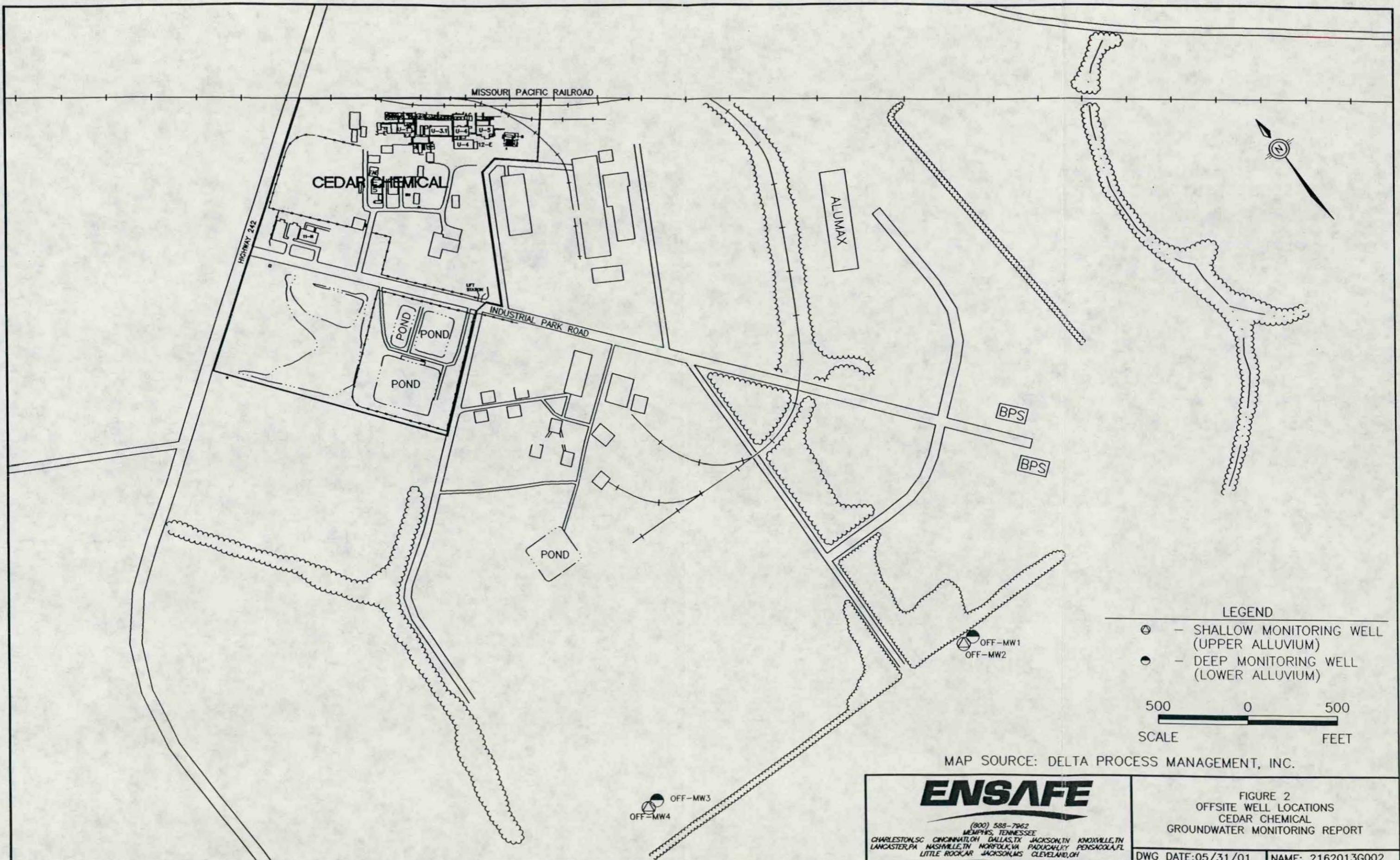
MAP SOURCE: DELTA PROCESS MANAGEMENT, INC.

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LITTLE ROCK, AR JACKSON, MS CLEVELAND, OH

FIGURE 1
WELL LOCATION MAP
CEDAR CHEMICAL
GROUNDWATER MONITORING REPORT

DWG DATE: 05/31/01 NAME: 2162013G001



MAP SOURCE: DELTA PROCESS MANAGEMENT, INC.

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LITTLE ROCK, AR JACKSON, MS JACKSONVILLE, FL CLEVELAND, OH

FIGURE 2
OFFSITE WELL LOCATIONS
CEDAR CHEMICAL
GROUNDWATER MONITORING REPORT

DWG DATE: 05/31/01 NAME: 2162013G002

2.0 GROUNDWATER SAMPLING PROCEDURES

Groundwater samples were collected using both peristaltic and centrifugal pumps and dedicated Teflon tubing. Sampling procedures for the peristaltic pump were consistent with those discussed in Section 3.4 of the *Facility Investigation Report*, (EnSafe, March 2, 1995). Centrifugal pump sampling procedures were the same as those for the peristaltic, except the in-line transfer bottle was not necessary and samples were collected directly from the pump tubing. All samples were collected in appropriate pre-preserved sample containers.

Once the samples were collected, each container was labeled with the well identification number, the specified analyses, and the date and time of sample collection. Samples were kept on ice and shipped in an ice chest to Southwest Laboratories of Oklahoma, Inc. in Broken Arrow, Oklahoma. Each groundwater sample was analyzed for VOCs (Method 8260B), SVOCs (Method 8270C), pesticides (Method 8081A), and arsenic (Method 6010B).

All non-disposable/non-dedicated sampling equipment was decontaminated prior to use in each well. Decontamination procedures were consistent with those discussed in Section 3.5 of the FI report, with one exception; decontaminated sampling equipment was wrapped in plastic rather than aluminum foil for transfer between sampling locations.

2.1 Potentiometric Surface Map

Prior to sampling, static water levels were measured at each well to the nearest one-hundredth of a foot using an electronic water level indicator. All water levels were recorded on the same day after well caps were removed and water levels allowed to equilibrate, reducing the potential of natural fluctuations in the levels affecting the contoured surface of the potentiometric surface map. The depth to groundwater was recorded on the groundwater sampling sheet for calculating purge volumes and was referenced to mean sea level for potentiometric surface mapping. Table 1 presents the static water levels for the July sampling event. Note that some well elevations have not been surveyed. Figure 3 presents the potentiometric surface observed during this event.

Table 1
Cedar Chemical
Static Water Elevations and Organic Vapor Concentrations
July 2001 Sampling Event

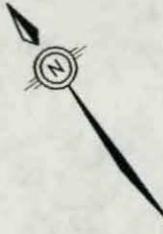
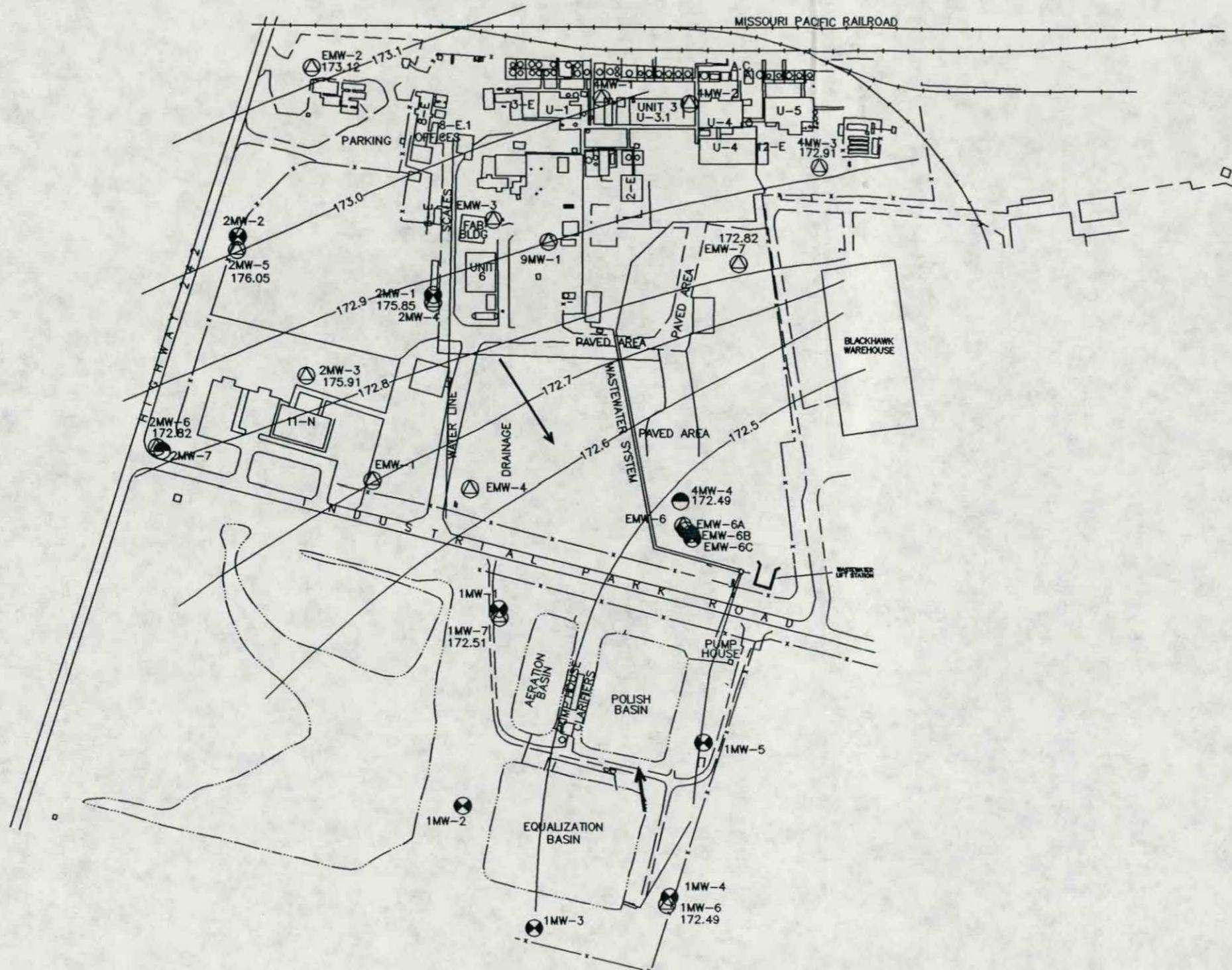
Well Number	Top of Casing Elevation (feet msl)	Depth to Water (feet bgs)	Static Water Elevation (feet msl)
1MW-1 ^a	195.43	11.10	184.33
1MW-2 ^a	194.40	10.96	183.44
1MW-3	191.49	11.95	179.54
1MW-4	191.90	10.71	181.19
1MW-5	194.16	11.03	183.13
1MW-6	191.97	19.48	172.49
1MW-7	195.46	22.95	172.51
2MW-1	201.17	21.87	179.3
2MW-2	199.88	21.12	178.76
2MW-3	198.76	29.99	168.77
2MW-4	201.10	29.31	171.79
2MW-5	199.90	28.48	171.42
2MW-6	198.47	25.65	172.82
2MW-7	198.70	27.00	171.7
4MW-1	197.69	0.00	197.69
4MW-2 ^b	198.01	NA	198.01
4MW-3	200.91	28.00	172.91
4MW-4	202.04	29.55	172.49
9 MW-1 ^c	—	23.05	NA
EM W-1 ^a	198.23	16.30	181.93
EMW-2	199.87	26.75	173.12
EMW-3 ^a	199.31	26.53	172.78
EMW-4 ^a	198.13	11.26	186.87
EPZ-5 ^c	—	27.12	NA
EMW-6 ^b	199.56	NA	NA
EMW-6A ^{a,b}	198.54	NA	NA
EMW-6B ^{a,b}	198.09	NA	NA
EMW-7	198.47	25.65	172.82
OFFMW-1 ^c	—	15.05	NA

Table 1
Cedar Chemical
Static Water Elevations and Organic Vapor Concentrations
July 2001 Sampling Event

Well Number	Top of Casing Elevation (feet msl)	Depth to Water (feet bgs)	Static Water Elevation (feet msl)
OFFMW-2 ^c	—	15.00	NA
OFFMW-3 ^c	—	14.50	NA
OFFMW-4 ^c	—	14.52	NA

Notes:

- a = Well not used in production of potentiometric surface map due to suspect top of casing survey data due to damaged protective casing or anomalous elevation relative to neighboring wells, or it was not screened in the alluvial aquifer.
- b = No static water level recorded.
- c = Well not surveyed.
- d = Historically this well has produced high volumes of gases which interfere with the monitoring equipment preventing the collection of accurate readings.
- msl = mean sea level
- ppm = parts per million
- bgs = below ground surface
- NA = Water level not taken (well inaccessible)
- NR = No organic vapor reading taken due to faulty meter.



LEGEND

- WATER OR DRAINAGE
 - ROAD
 - RAILROAD
 - BUILDING
 - FENCE
 - SUBSURFACE PIPING (APPROX.)
 - MONITORING WELL
 - SHALLOW MONITORING WELL
 - DEEP MONITORING WELL
- GROUNDWATER FLOW DIRECTION

250 0 250
SCALE FEET

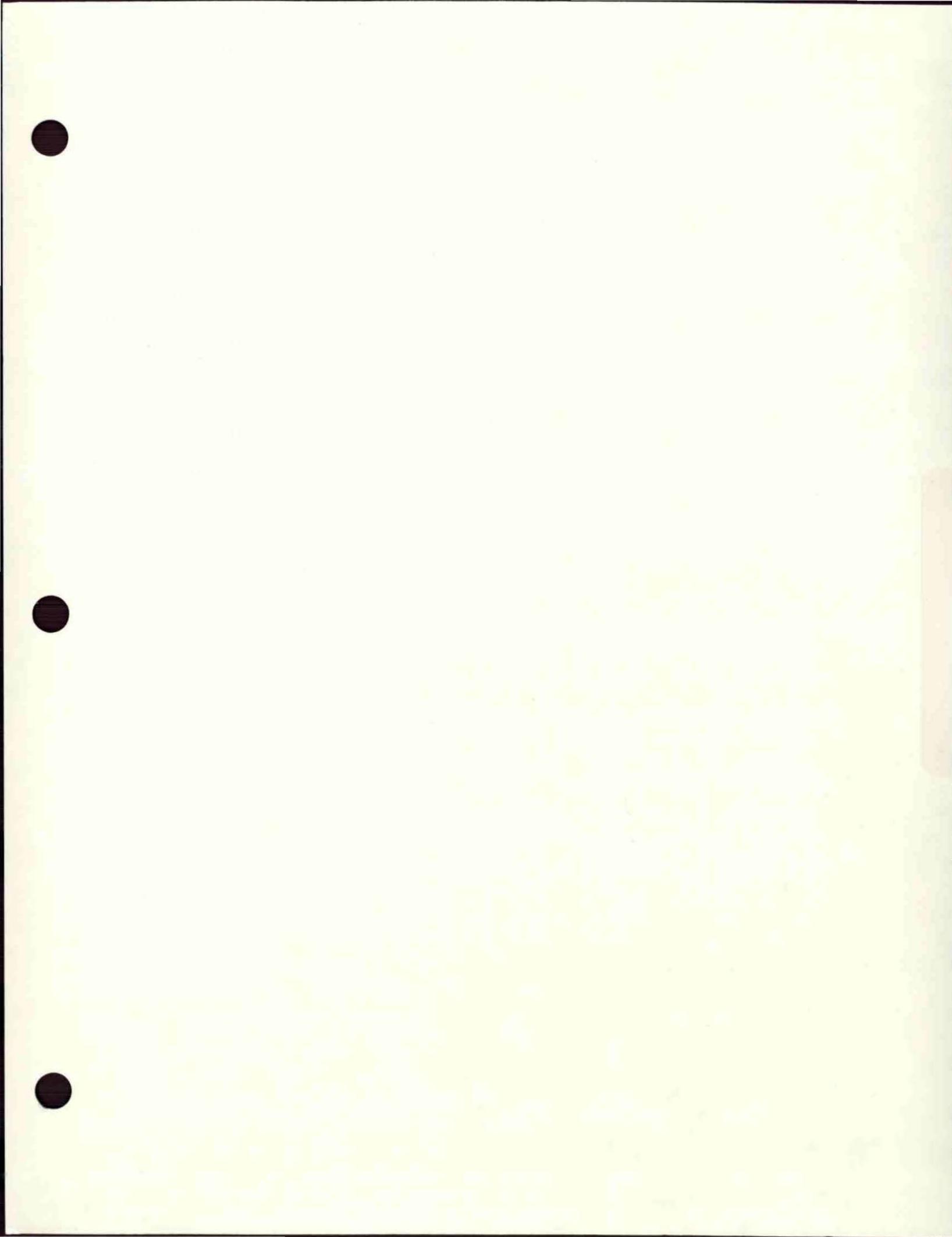
MAP SOURCE: DELTA PROCESS MANAGEMENT, INC.

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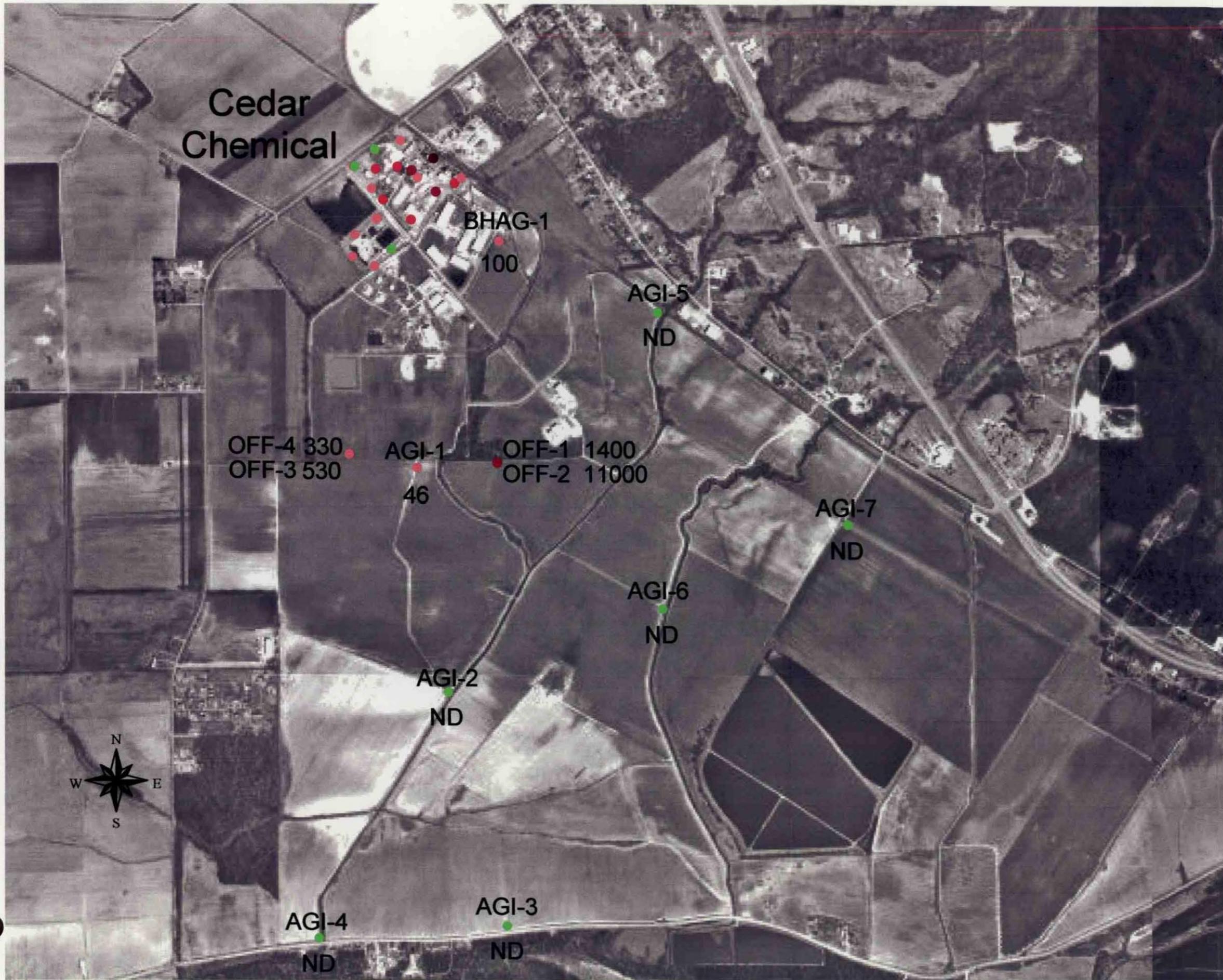
FIGURE 3
POTENTIOMETRIC SURFACE MAP
CEDAR CHEMICAL
GROUNDWATER MONITORING REPORT

DWG DATE: 09/21/01 NAME: 2162013W054



3.0 RESULTS

Table 2 in this section summarizes the contaminants that were detected in the onsite and offsite groundwater monitoring wells during the April and July 2001 groundwater sampling events. During the July sampling event eight agricultural irrigation wells downgradient of the Cedar Chemical plant were also sampled and analyzed for VOCs. Contamination was detected in two of the irrigation wells (BHAG-1 and AGI-1). BHAG-1 is located adjacent to the small soybean field near the Blackhawk warehouse and AGI-1 is located southeast of offsite monitoring wells OFFMW-1 and OFFMW-2. The irrigation wells contained 100 ppb and 46 ppb of 1,2-dichloroethane respectively. The location of the agricultural wells is shown in Figure 4 and the validated laboratory report for the July sampling event is provided in Appendix A.



- 1,2-DCA Concentrations**
- 0 - 420 ppb
 - 420 - 1500 ppb
 - 1500 - 11000 ppb
 - 11000 - 19000 ppb
 - NS
 - ND

Figure 4
Agricultural Irrigation Well Locations/
1,2-DCA Concentrations

Table 1
Cedar Chemical April/July 2001 Groundwater Sampling Results (Hits Only)

Parameter	1MW-1		1MW-2		1MW-3		1MW-4		1MW-5		1MW-6		1MW-7		2MW-2		2MW-3	
	Apr-01	Jul-01	Apr-01	Jul-01	Apr-01	Jul-01	Apr-01	Jul-01	Apr-01	Jul-01	Apr-01	Jul-01	Apr-01	Jul-01	Apr-01	Jul-01	Apr-01	Jul-01
Metals	units = µg/L																	
Arsenic															6.5		6.8	8.8
Pesticides	units = µg/L																400	603
4,4'-DDT																		
Alpha-BHC							0.041		0.088									
Beta-BHC								0.087										
gamma-BHC																		
Dieldrin								0.240										
Endosulfan I																		
Endosulfan II																		0.088
Endrin aldehyde																		
Endrin ketone																		
Methoxychlor																		0.13
SVOCs	units = µg/L																	
1,2-Dichlorobenzene																45	57	92
1,4-Dichlorobenzene																		
2,4-Dichlorophenol																		
2-Chlorophenol																		
2-Methylphenol (o-Cresol)																		28
3,4-Dichloroaniline															0.7	240	17	100
4-Chloroaniline																		28
4-Methylphenol (p-Cresol)																		34
Benzoic acid																		50
bis(2-Chloroethyl)ether																		60
bis(2-Ethylhexyl)phthalate (BEHP)							35											
di-n-butylphthalate																		
Dinoseb																19	4	5
Isophorone																		
Naphthalene																		
Phenol																		
Propanil																		5
VOCS	units = µg/L																	6
Chloroethane																		170
Chlorobenzene																		68
Carbon Disulfide																		28
Benzene																		
1,2-Dichloroethane		0.2		0.8	3.0	10	540	100										560
Xylenes (total)																		160
Toluene																		310
Ethylbenzene																		
1,2-Dichlorobenzene							2		0.9									170
4-Methyl-2-Pentanone (MIBK)																		290
trans-1,2-dichloroethene																		
cis-1,2-dichloroethene																		
1,1-dichloroethane																		
1,3-dichlorobenzene							0.5											
1,4-Dichlorobenzene								1	0.5									
Vinyl Chloride																		

Bold = Not detected in previous event.

Shaded = > 25% increase from previous event.

Table 1
Cedar Chemical April/July 2001 Groundwater Sampling Results (Hits Only)

Parameter	2MW-4		2MW-5		2MW-6		2MW-7		2MW-7 DUP		4MW-1		4MW-3		4MW-4		9MW-1	
	Apr-01	Jul-01	Apr-01	Jul-01	Apr-01	Jul-01	Apr-01	Jul-01	Apr-01	Jul-01	Apr-01	Jul-01	Apr-01	Jul-01	Apr-01	Jul-01	Apr-01	Jul-01
Metals	units = µg/L																	
Arsenic	5.2	118.0					16.9	17.5	15.3	49.1	18.3				23.2	20.7		84.0
Pesticides	units = µg/L																	
4,4'-DDT	0.074																	
Alpha-BHC																		
Beta-BHC																		
gamma-BHC		0.067																
Dieldrin																		
Endosulfan I													0.27					
Endosulfan II																		
Endrin aldehyde		0.10											0.17					
Endrin ketone																		
Methoxychlor																		
SOCs	units = µg/L																	
1,2-Dichlorobenzene	51	34			13	11				280	880					32	36	
1,4-Dichlorobenzene										11								
2,4-Dichlorophenol										11								
2-Chlorophenol										30								
2-Methylphenol (o-Cresol)										1200	440							
3,4-Dichloroaniline	170	180	4	2	25	21				2400	1600				2	59	110	
4-Chloroaniline	8	7								6500	670				7	7	7	
4-Methylphenol (p-Cresol)										660	480							
Benzoic acid										78	7.0							
bis(2-Chloroethyl)ether										7.4								
bis(2-Ethylhexyl)phthalate (BEHP)										31								
di-n-butylphthalate																		
Dinoseb			18	15							57	65						
Isophorone										350	69				12	10		31
Naphthalene																		
Phenol										230	290							
Propanil										310	49							
VOCs	units = µg/L																	
Chloroethane																		
Chlorobenzene	88	94													15	16		
Carbon Disulfide																		
Benzene										810								
1,2-Dichloroethane	850	910			2	1				19000	390	1500	570	820	800	420		
Xylenes (total)										13000								
Toluene						5				63000	760000	110						
Ethylbenzene										2000								
1,2-Dichlorobenzene	76	71	4	4	18	28				6800	17				0.4	37	62	
4-Methyl-2-Pentanone (MIBK)																		
trans-1,2-dichloroethene																		
cis-1,2-dichloroethene																		
1,1-dichloroethane																		
1,3-dichlorobenzene																		
1,4-Dichlorobenzene																		
Vinyl Chloride																		

Bold = Not detected in previous event.

Shaded = > 25% increase from previous event.

T
Cedar Chemical April/July 2001 Groundwater Sampling Results (Hits Only)

Parameter	EMW-1		EMW-1 DUP		EMW-2		EMW-3		EMW-4		EMW-7			EPZ-5		OFFMW-1	
	Apr-01	Jul-01	Apr-01	Apr-01	Jul-01	Apr-01	Jul-01	Apr-01	Jul-01	Apr-01	May-01	Jul-01	Apr-01	Jul-01	Apr-01	Jul-01	
Metals	units = µg/L																
Arsenic							6.6	6.4		6.5			16.2				14.3
Pesticides	units = µg/L																
4,4'-DDT																	
Alpha-BHC	0.045		0.047														
Beta-BHC																	
gamma-BHC								0.20									
Dieldrin																	
Endosulfan I																	
Endosulfan II																	
Endrin aldehyde																	
Endrin ketone																	
Methoxychlor																	
SVOCs	units = µg/L																
1,2-Dichlorobenzene							120	72	21	26							
1,4-Dichlorobenzene																	
2,4-Dichlorophenol																	
2-Chlorophenol																	
2-Methylphenol (o-Cresol)																	
3,4-Dichloroaniline	4	4	5				420	270	220	290							
4-Chloroaniline							50	6	310	300							
4-Methylphenol (p-Cresol)																	
Benzoic acid							8		8								
bis(2-Chloroethyl)ether																	
bis(2-Ethylhexyl)phthalate (BEHP)																	
di-n-butylphthalate																	
Dinoseb	6	11	6	50	28		52							180	170		
Isophorone																	
Naphthalene							3										
Phenol																	
Propanil																	
VOCs	units = µg/L																
Chloroethane																	
Chlorobenzene							0.5		53	79			1				
Carbon Disulfide																	
Benzene										4							
1,2-Dichloroethane	0.8	2	0.7	0.3	2	4800	5300	490	660	30000	30000	24000	2	3	990	1400	
Xylenes (total)															610		
Toluene																	
Ethylbenzene																	
1,2-Dichlorobenzene				0.1		1.0	74	130	31	48			2		0.2		60
4-Methyl-2-Pentanone (MIBK)																	
trans-1,2-dichloroethene											0.4						
cis-1,2-dichloroethene											0.6						
1,1-dichloroethane													0.7				
1,3-dichlorobenzene																	
1,4-Dichlorobenzene											0.5						
Vinyl Chloride												-		5			

Bold = Not detected in previous event.

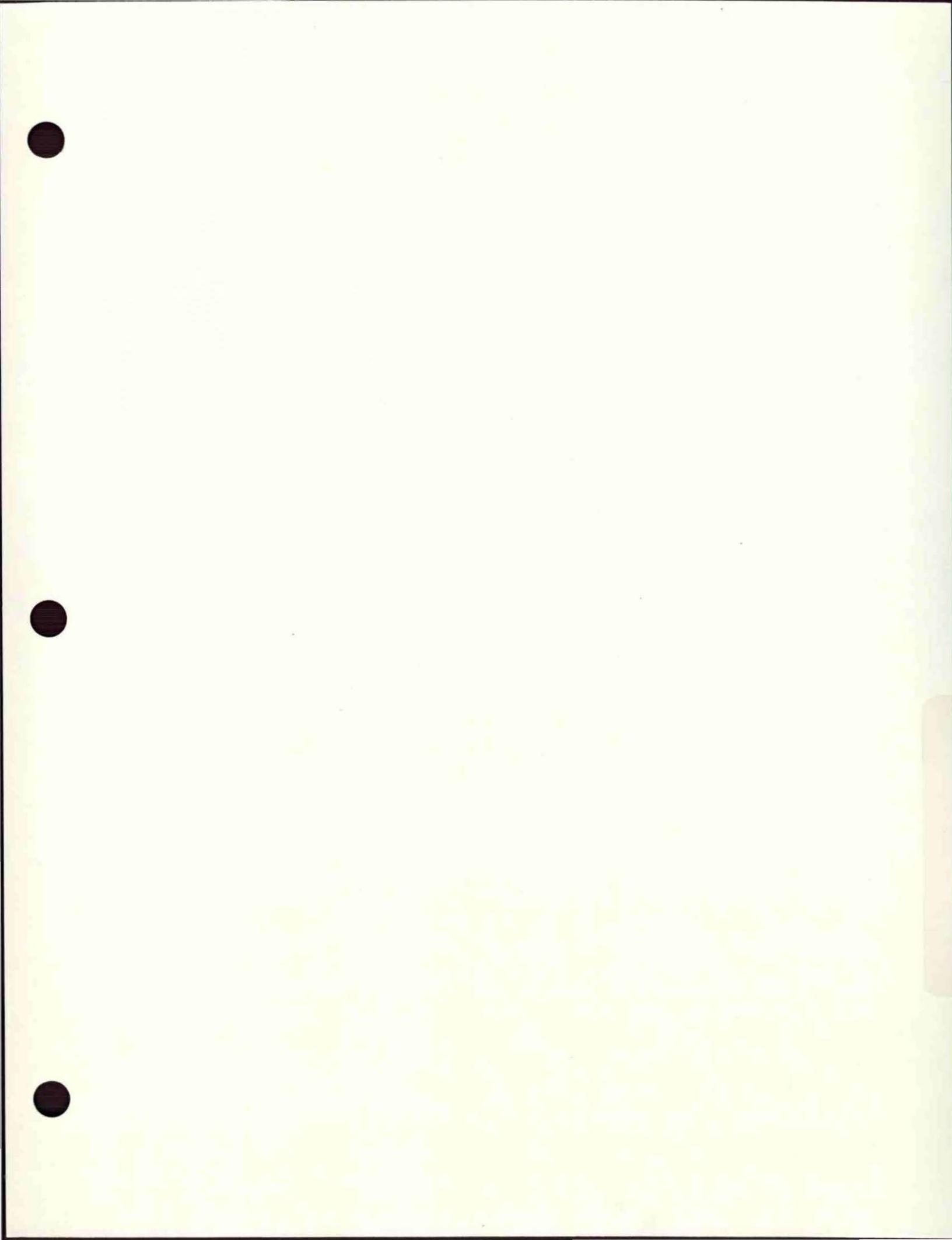
Shaded = > 25% increase from previous event.

Cedar Chemical April/July 2001 Groundwater Sampling Results (Hits Only)

Parameter	OFFMW-2			OFFMW-2 DUP		OFFMW-3		OFFMW-4	
	Apr-01	May-01	Jul-01	May-01	Jul-01	Apr-01	Jul-01	Apr-01	Jul-01
Metals units = $\mu\text{g/L}$									
Arsenic				11.2		13.2		18.7	
Pesticides units = $\mu\text{g/L}$									
4,4'-DDT									
Alpha-BHC									
Beta-BHC									
gamma-BHC									
Dieldrin									
Endosulfan I									
Endosulfan II									
Endrin aldehyde									
Endrin ketone									
Methoxychlor									
SVOCs units = $\mu\text{g/L}$									
1,2-Dichlorobenzene									
1,4-Dichlorobenzene									
2,4-Dichlorophenol									
2-Chlorophenol									
2-Methylphenol (o-Cresol)									
3,4-Dichloroaniline			0.8						
4-Chloroaniline									
4-Methylphenol (p-Cresol)									
Benzoic acid									
bis(2-Chloroethyl)ether						12	14		
bis(2-Ethylhexyl)phthalate (BEHP)									
di-n-butylphthalate									
Dinoseb									
Isophorone									
Naphthalene									
Phenol									
Propanil									
VOCs units = $\mu\text{g/L}$									
Chloroethane									
Chlorobenzene									
Carbon Disulfide		22			510				
Benzene									
1,2-Dichloroethane		10000	13000	14000	12000	10000	700	530	250
Xylenes (total)									330
Toluene									
Ethylbenzene									
1,2-Dichlorobenzene									
4-Methyl-2-Pentanone (MIBK)									
trans-1,2-dichloroethene									
cis-1,2-dichloroethene									
1,1-dichloroethane									
1,3-dichlorobenzene									
1,4-Dichlorobenzene									
Vinyl Chloride									

Bold = Not detected in previous event.

Shaded = > 25% increase from previous event.



4.0 SUMMARY

As noted in Table 2, changes in contaminant concentrations have occurred in some of the monitoring wells since the April groundwater monitoring event. Various concentrations detected during the April monitoring event were not detected in July. Similarly, relatively low concentrations of compounds not previously encountered in some monitoring wells were detected in July. The most notable changes were the numerous decreased SVOC and arsenic concentrations in 4MW-1, but an increase in VOC concentrations, including the appearance of 1,2-dichloroethane. Table 3 shows a comparison of the offsite 1,2-dichloroethane concentrations detected during the July sampling event with the results from the July 1997, and April 2001 events as well as the declining concentrations in existing onsite monitoring well EMW-7.

Table 3
Comparison of 1,2-dichloroethane Groundwater Concentrations

Monitoring Well	1,2-dichloroethane ($\mu\text{g/L}$)		
	July 1997	April 2001	July 2001
EMW-7	91,000	30,000	24,000
OFFMW-1	540	990	1,400
OFFMW-2	3.4	10,000	14,000
OFFMW-3	150	700	530
OFFMW-4	Not Detected	250	330

Agricultural irrigation wells were also sampled and analyzed for VOCs during this sampling event. 1,2-Dichloroethane was detected in two of the irrigation wells. The owner of the wells has been contacted and the wells are not currently being used. EnSafe is evaluating the risk associated with

*Groundwater Monitoring Report
Cedar Chemical Corporation
September 21, 2001*

these wells to determine the course of action that will need to be taken before these wells are used again to irrigate crops.

EnSafe is also preparing a long-term groundwater monitoring plan that will be presented to ADEQ during the Corrective Active Strategy scoping meeting on September 27, 2001.

L:\CEDAR\Groundwater

A

Appendix A

Analytical Data

CEDAR CHEMICAL
GROUNDWATER MONITORING EVENT JULY 2001

ARSENIC		SHORT ID ----->	1MW-1 001G000108	1MW-2 001G000208	1MW-3 001G000308	1MW-4 001G000408	1MW-5 001G000508	1MW-6 001G000608
CAS #	Parameter	VAL	VAL	VAL	VAL	VAL	VAL	VAL
7440-38-2	Arsenic	1.1 U	0.75 U	0.75 U	2.6 U	1.2 U	6.5	

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ARSENIC		SHORT ID ----->	1MW-7 001G000708	2MW-2 002G000208	2MW-3 002G000308	2MW-4 002G000408	2MW-5 002G000508	2MW-6 002G000608
CAS #	Parameter		47097 VAL	47097 VAL	47116 VAL	47097 VAL	47097 VAL	47097 VAL
7440-38-2	Arsenic		0.99 U	8.8	603.	118.	2.7 U	5.4 U

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ARSENIC		SHORT ID ----->	2MW-7	4MW-1	4MW-3	4MW-4	9MW-1	EMW-1
CAS #	Parameter	ORIGINAL ID ----->	002G000708	004G000108	004G000308	004G000408	009G000108	00EG000108
7440-38-2	Arsenic	SAMPLE DATE ----->	07/24/01	07/26/01	07/25/01	07/24/01	07/26/01	07/26/01
		DATE EXTRACTED -->	07/27/01	07/30/01	07/30/01	07/27/01	07/30/01	07/30/01
		DATE ANALYZED ---->	08/08/01	08/04/01	08/04/01	08/08/01	08/04/01	08/04/01
		MATRIX ----->	Water	Water	Water	Water	Water	Water
		UNITS ----->	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L

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ARSENIC		SHORT ID ----->	EMW-2	EMW-3	EMW-4	EMW-7	OFFMW-1	OFFMW-2
CAS #	Parameter							
7440-38-2	Arsenic		5.8 U	6.4	6.5	16.2	14.3	11.2

*** Validation Complete ***

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ARSENIC		SHORT ID ----->	OFFMW-2 DUP	OFFMW-3	OFFMW-4	EPZ-5		
CAS #	Parameter		47097	VAL	47097	VAL	47116	VAL
7440-38-2	Arsenic		13.2		18.7		1.8 U	4.1 U

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PEST	SHORT ID ----->	1MW-1	1MW-2	1MW-3	1MW-4	1MW-5	1MW-6				
	ORIGINAL ID ----->	001G000108	001G000208	001G000308	001G000408	001G000508	001G000608				
CAS #	Parameter	47097	VAL	47097	VAL	47097	VAL	47097	VAL	47097	VAL
319-84-6	Alpha-BHC		0.04 U		0.04 U		0.04 U		0.04 U		0.04 U
319-85-7	Beta-BHC		0.04 U		0.04 U		0.087		0.04 U		0.04 U
319-86-8	Delta-BHC		0.04 U		0.04 U		0.04 U		0.04 U		0.04 U
58-89-9	gamma-BHC (Lindane)		0.04 U		0.04 U		0.04 U		0.04 U		0.04 U
76-44-8	Heptachlor		0.04 U		0.04 U		0.04 U		0.04 U		0.04 U
309-00-2	Aldrin		0.04 U		0.04 U		0.04 U		0.04 U		0.04 U
1024-57-3	Heptachlor Epoxide		0.04 U		0.04 U		0.04 U		0.04 U		0.04 U
959-98-8	Endosulfan I		0.04 U		0.04 U		0.04 U		0.04 U		0.04 U
60-57-1	Dieldrin		0.08 U		0.08 U		0.24		0.08 U		0.08 U
72-55-9	4,4'-DDE		0.08 U		0.08 U		0.08 U		0.08 U		0.08 U
72-20-8	Endrin		0.08 U		0.08 U		0.08 U		0.08 U		0.08 U
33213-65-9	Endosulfan II		0.08 U		0.08 U		0.08 U		0.08 U		0.08 U
72-54-8	4,4'-DDD		0.08 U		0.08 U		0.08 U		0.08 U		0.08 U
1031-07-8	Endosulfan Sulfate		0.08 U		0.08 U		0.08 U		0.08 U		0.08 U
50-29-3	4,4'-DDT		0.08 U		0.08 U		0.08 U		0.08 U		0.08 U
72-43-5	Methoxychlor		0.38 U		0.38 U		0.38 U		0.38 U		0.38 U
53494-70-5	Endrin ketone		0.08 U		0.08 U		0.08 U		0.08 U		0.08 U
7421-93-4	Endrin aldehyde		0.08 U		0.08 U		0.08 U		0.08 U		0.08 U
5103-71-9	alpha-Chlordane		0.04 U		0.04 U		0.04 U		0.04 U		0.04 U
5103-74-2	gamma-Chlordane		0.04 U		0.04 U		0.04 U		0.04 U		0.04 U
8001-35-2	Toxaphene		2.5 U		2.5 U		2.5 U		2.5 U		2.5 U
12789-03-6	Technical Chlordane		0.04 U		0.04 U		0.04 U		0.04 U		0.04 U

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PEST	SHORT ID ----->	1MW-7	2MW-2	2MW-3	2MW-4	2MW-5	2MW-6												
	ORIGINAL ID ----->	001G000708	002G000208	002G000308	002G000408	002G000508	002G000608												
	SAMPLE DATE ----->	07/25/01	07/24/01	07/26/01	07/25/01	07/24/01	07/24/01												
	DATE EXTRACTED -->	07/31/01	07/31/01	07/31/01	07/31/01	07/31/01	07/31/01												
	DATE ANALYZED -->	08/15/01	08/18/01	08/18/01	08/16/01	08/16/01	08/17/01												
	MATRIX ----->	Water	Water	Water	Water	Water	Water												
	UNITS ----->	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L												
CAS #	Parameter	47097	VAL	47097	VAL	47116	VAL	47097	VAL	47097	VAL	47097	VAL						
319-84-6	Alpha-BHC		0.04	U		0.04	U		0.04	U		0.053	U		0.04	U			
319-85-7	Beta-BHC		0.04	U		0.04	U		0.04	U		0.053	U		0.04	U			
319-86-8	Delta-BHC		0.04	U		0.04	U		0.04	U		0.053	U		0.04	U			
58-89-9	gamma-BHC (Lindane)		0.04	U		0.04	U		0.04	U		0.067			0.053	U		0.04	U
76-44-8	Heptachlor		0.04	U		0.04	U		0.091	U		0.041	U		0.057	U		0.04	U
309-00-2	Aldrin		0.04	U		0.04	U		0.04	U		0.04	U		0.053	U		0.04	U
1024-57-3	Heptachlor Epoxide		0.04	U		0.04	U		0.04	U		0.04	U		0.053	U		0.04	U
959-98-8	Endosulfan I		0.04	U		0.04	U		0.04	U		0.04	U		0.053	U		0.04	U
60-57-1	Dieldrin		0.08	U		0.08	U		0.08	U		0.08	U		0.11	U		0.08	U
72-55-9	4,4'-DDE		0.08	U		0.08	U		0.08	U		0.08	U		0.11	U		0.08	U
72-20-8	Endrin		0.08	U		0.08	U		0.08	U		0.08	U		0.11	U		0.08	U
33213-65-9	Endosulfan II		0.08	U		0.08	U		0.08	U		0.08	U		0.11	U		0.08	U
72-54-8	4,4'-DDD		0.08	U		0.08	U		0.08	U		0.08	U		0.11	U		0.08	U
1031-07-8	Endosulfan Sulfate		0.08	U		0.08	U		0.08	U		0.08	U		0.11	U		0.08	U
50-29-3	4,4'-DDT		0.08	U		0.08	U		0.08	U		0.08	U		0.11	U		0.08	U
72-43-5	Methoxychlor		0.38	U		0.38	U		0.38	U		0.38	U		0.51	U		0.38	U
53494-70-5	Endrin ketone		0.08	U		0.08	U		0.08	U		0.08	U		0.11	U		0.08	U
7421-93-4	Endrin aldehyde		0.08	U		0.08	U		0.08	U		0.08	U		0.11	U		0.08	U
5103-71-9	alpha-Chlordane		0.04	U		0.04	U		0.04	U		0.04	U		0.053	U		0.04	U
5103-74-2	gamma-Chlordane		0.04	U		0.04	U		0.04	U		0.04	U		0.053	U		0.04	U
8001-35-2	Toxaphene		2.5	U		2.5	U		2.5	U		2.5	U		3.3	U		2.5	U
12789-03-6	Technical Chlordane		0.04	U		0.04	U		0.04	U		0.04	U		0.04	U		0.04	U

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PEST	SHORT ID ----->	2MW-7	4MW-1	4MW-3	4MW-4	9MW-1	EMW-1				
	ORIGINAL ID ----->	002G000708	004G000108	004G000308	004G000408	009G000108	00EG000108				
	SAMPLE DATE ----->	07/24/01	07/26/01	07/25/01	07/24/01	07/26/01	07/26/01				
	DATE EXTRACTED -->	07/31/01	07/31/01	07/31/01	07/31/01	07/31/01	07/31/01				
	DATE ANALYZED -->	08/15/01	08/18/01	08/18/01	08/15/01	08/18/01	08/18/01				
	MATRIX ----->	Water	Water	Water	Water	Water	Water				
	UNITS ----->	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L				
CAS #	Parameter	47097	VAL	47116	VAL	47116	VAL	47116	VAL	47116	VAL
319-84-6	Alpha-BHC		0.04	U		0.04	U		0.04	U	
319-85-7	Beta-BHC		0.04	U		0.04	U		0.04	U	
319-86-8	Delta-BHC		0.04	U		0.04	U		0.04	U	
58-89-9	gamma-BHC (Lindane)		0.04	U		0.04	U		0.04	U	
76-44-8	Heptachlor		0.04	U		0.04	U		0.054	U	
309-00-2	Aldrin		0.04	U		0.04	U		0.04	U	
1024-57-3	Heptachlor Epoxide		0.04	U		0.04	U		0.04	U	
959-98-8	Endosulfan I		0.04	U		0.04	U		0.04	U	
60-57-1	Dieldrin		0.08	U		0.08	U		0.08	U	
72-55-9	4,4'-DDE		0.08	U		0.08	U		0.08	U	
72-20-8	Endrin		0.08	U		0.08	U		0.08	U	
33213-65-9	Endosulfan II		0.08	U		0.08	U		0.08	U	
72-54-8	4,4'-DDD		0.08	U		0.08	U		0.08	U	
1031-07-8	Endosulfan Sulfate		0.08	U		0.08	U		0.08	U	
50-29-3	4,4'-DDT		0.08	U		0.08	U		0.08	U	
72-43-5	Methoxychlor		0.38	U		0.38	U		0.38	U	
53494-70-5	Endrin ketone		0.08	U		0.08	U		0.08	U	
7421-93-4	Endrin aldehyde		0.08	U		0.08	U		0.08	U	
5103-71-9	alpha-Chlordane		0.04	U		0.04	U		0.04	U	
5103-74-2	gamma-Chlordane		0.04	U		0.04	U		0.04	U	
8001-35-2	Toxaphene		2.5	U		2.5	U		2.5	U	
12789-03-6	Technical Chlordane		0.04	U		0.04	U		0.04	U	

CEDAR CHEMICAL
GROUNDWATER MONITORING EVENT JULY 2001

PEST	SHORT ID ----->	EMW-2	EMW-3	EMW-4	EMW-7	OFFMW-1	OFFMW-2					
	ORIGINAL ID ----->	00EG000208	00EG000308	00EG000408	00EG000708	0FFG000108	0FFG000208					
	SAMPLE DATE ----->	07/25/01	07/25/01	07/24/01	07/24/01	07/24/01	07/24/01					
	DATE EXTRACTED -->	07/31/01	07/31/01	07/31/01	07/31/01	07/31/01	07/31/01					
	DATE ANALYZED -->	08/17/01	08/18/01	08/15/01	08/15/01	08/15/01	08/15/01					
	MATRIX ----->	Water	Water	Water	Water	Water	Water					
	UNITS ----->	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L					
CAS #	Parameter	47097	VAL	47097	VAL	47097	VAL	47097	VAL	47097	VAL	
319-84-6	Alpha-BHC		0.04	U	0.04	U	0.04	U	0.04	U	0.04	U
319-85-7	Beta-BHC		0.04	U	0.04	U	0.04	U	0.04	U	0.04	U
319-86-8	Delta-BHC		0.04	U	0.04	U	0.04	U	0.04	U	0.04	U
58-89-9	gamma-BHC (Lindane)		0.04	U	0.2	U	0.04	U	0.04	U	0.04	U
76-44-8	Heptachlor		0.04	U	0.11	U	0.041	U	0.04	U	0.04	U
309-00-2	Aldrin		0.04	U	0.04	U	0.04	U	0.04	U	0.04	U
1024-57-3	Heptachlor Epoxide		0.04	U	0.04	U	0.04	U	0.04	U	0.04	U
959-98-8	Endosulfan I		0.04	U	0.04	U	0.04	U	0.04	U	0.04	U
60-57-1	Dieldrin		0.08	U	0.08	U	0.08	U	0.08	U	0.08	U
72-55-9	4,4'-DDE		0.08	U	0.08	U	0.08	U	0.08	U	0.08	U
72-20-8	Endrin		0.08	U	0.08	U	0.08	U	0.08	U	0.08	U
33213-65-9	Endosulfan II		0.08	U	0.08	U	0.08	U	0.08	U	0.08	U
72-54-8	4,4'-DDD		0.08	U	0.08	U	0.08	U	0.08	U	0.08	U
1031-07-8	Endosulfan Sulfate		0.08	U	0.08	U	0.08	U	0.08	U	0.08	U
50-29-3	4,4'-DDT		0.08	U	0.08	U	0.08	U	0.08	U	0.08	U
72-43-5	Methoxychlor		0.38	U	0.38	U	0.38	U	0.38	U	0.38	U
53494-70-5	Endrin ketone		0.08	U	0.08	U	0.08	U	0.08	U	0.08	U
7421-93-4	Endrin aldehyde		0.08	U	0.08	U	0.08	U	0.08	U	0.08	U
5103-71-9	alpha-Chlordane		0.04	U	0.04	U	0.04	U	0.04	U	0.04	U
5103-74-2	gamma-Chlordane		0.04	U	0.04	U	0.04	U	0.04	U	0.04	U
8001-35-2	Toxaphene		2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
12789-03-6	Technical Chlordane		0.04	U	0.04	U	0.04	U	0.04	U	0.04	U

CEDAR CHEMICAL
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PEST	SHORT ID ----->	OFFMW-2 DUP	OFFMW-3	OFFMW-4	EPZ-5						
	ORIGINAL ID ----->	OFFH000208	OFFG000308	OFFG000408	PZ5G000508						
	SAMPLE DATE ----->	07/24/01	07/24/01	07/24/01	07/26/01						
	DATE EXTRACTED -->	07/31/01	07/31/01	07/31/01	07/31/01						
	DATE ANALYZED --->	08/15/01	08/16/01	08/15/01	08/18/01						
	MATRIX ----->	Water	Water	Water	Water						
	UNITS ----->	UG/L	UG/L	UG/L	UG/L						
CAS #	Parameter	47097	VAL	47097	VAL	47097	VAL	47116	VAL		
319-84-6	Alpha-BHC	0.04	U	0.04	U	0.04	U	0.04	U		
319-85-7	Beta-BHC	0.04	U	0.04	U	0.04	U	0.04	U		
319-86-8	Delta-BHC	0.04	U	0.04	U	0.04	U	0.04	U		
58-89-9	gamma-BHC (Lindane)	0.04	U	0.04	U	0.04	U	0.04	U		
76-44-8	Heptachlor	0.04	U	0.04	U	0.04	U	0.043	U		
309-00-2	Aldrin	0.04	U	0.04	U	0.04	U	0.04	U		
1024-57-3	Heptachlor Epoxide	0.04	U	0.04	U	0.04	U	0.04	U		
959-98-8	Endosulfan I	0.04	U	0.04	U	0.04	U	0.04	U		
60-57-1	Dieldrin	0.08	U	0.08	U	0.08	U	0.08	U		
72-55-9	4,4'-DDE	0.08	U	0.08	U	0.08	U	0.08	U		
72-20-8	Endrin	0.08	U	0.08	U	0.08	U	0.08	U		
33213-65-9	Endosulfan II	0.08	U	0.08	U	0.08	U	0.08	U		
72-54-8	4,4'-DDD	0.08	U	0.08	U	0.08	U	0.08	U		
1031-07-8	Endosulfan Sulfate	0.08	U	0.08	U	0.08	U	0.08	U		
50-29-3	4,4'-DDT	0.08	U	0.08	U	0.08	U	0.08	U		
72-43-5	Methoxychlor	0.38	U	0.38	U	0.38	U	0.38	U		
53494-70-5	Endrin ketone	0.08	U	0.08	U	0.08	U	0.08	U		
7421-93-4	Endrin aldehyde	0.08	U	0.08	U	0.08	U	0.08	U		
5103-71-9	alpha-Chlordane	0.04	U	0.04	U	0.04	U	0.04	U		
5103-74-2	gamma-Chlordane	0.04	U	0.04	U	0.04	U	0.04	U		
8001-35-2	Toxaphene	2.5	U	2.5	U	2.5	U	2.5	U		
12789-03-6	Technical Chlordane	0.04	U	0.04	U	0.04	U	0.04	U		

CEDAR CHEMICAL
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SVOA	SHORT ID ----->	1MW-1	1MW-2	1MW-3	1MW-4	1MW-5	1MW-6				
	ORIGINAL ID ----->	001G000108	001G000208	001G000308	001G000408	001G000508	001G000608				
	SAMPLE DATE ----->	07/25/01	07/25/01	07/25/01	07/25/01	07/25/01	07/25/01				
	DATE EXTRACTED -->	07/27/01	07/27/01	07/27/01	07/27/01	07/27/01	07/27/01				
	DATE ANALYZED -->	08/06/01	08/06/01	08/06/01	08/06/01	08/06/01	08/06/01				
	MATRIX ----->	Water	Water	Water	Water	Water	Water				
	UNITS ----->	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L				
CAS #	Parameter	47097	VAL	47097	VAL	47097	VAL	47097	VAL	47097	VAL
108-95-2	Phenol	10.	U	10.	U	10.	U	10.	U	10.	U
111-44-4	bis(2-Chloroethyl)ether	10.	U	10.	U	10.	U	10.	U	10.	U
95-57-8	2-Chlorophenol	10.	U	10.	U	10.	U	10.	U	10.	U
541-73-1	1,3-Dichlorobenzene	10.	U	10.	U	10.	U	10.	U	10.	U
106-46-7	1,4-Dichlorobenzene	10.	U	10.	U	10.	U	10.	U	10.	U
100-51-6	Benzyl alcohol	10.	U	10.	U	10.	U	10.	U	10.	U
95-50-1	1,2-Dichlorobenzene	10.	U	10.	U	10.	U	10.	U	10.	U
95-48-7	2-Methylphenol (o-Cresol)	10.	U	10.	U	10.	U	10.	U	10.	U
39638-32-9	2,2-Oxybis(2-chloro)propane/bis(2-chloroethyl)ether	10.	U	10.	U	10.	U	10.	U	10.	U
106-44-5	4-Methylphenol (p-Cresol)	10.	U	10.	U	10.	U	10.	U	10.	U
621-64-7	N-Nitroso-di-n-propylamine	10.	U	10.	U	10.	U	10.	U	10.	U
67-72-1	Hexachloroethane	10.	U	10.	U	10.	U	10.	U	10.	U
98-95-3	Nitrobenzene	10.	U	10.	U	10.	U	10.	U	10.	U
78-59-1	Isophorone	10.	U	10.	U	10.	U	10.	U	10.	U
88-75-5	2-Nitrophenol	10.	U	10.	U	10.	U	10.	U	10.	U
105-67-9	2,4-Dimethylphenol	10.	U	10.	U	10.	U	10.	U	10.	U
65-85-0	Benzoic acid	25.	U	25.	U	25.	U	25.	U	25.	U
111-91-1	bis(2-Chloroethoxy)methane	10.	U	10.	U	10.	U	10.	U	10.	U
120-83-2	2,4-Dichlorophenol	10.	U	10.	U	10.	U	10.	U	10.	U
120-82-1	1,2,4-Trichlorobenzene	10.	U	10.	U	10.	U	10.	U	10.	U
91-20-3	Naphthalene	10.	U	10.	U	10.	U	10.	U	10.	U
106-47-8	4-Chloroaniline	10.	U	10.	U	10.	U	10.	U	10.	U
87-68-3	Hexachlorobutadiene	10.	U	10.	U	10.	U	10.	U	10.	U
59-50-7	4-Chloro-3-methylphenol	10.	U	10.	U	10.	U	10.	U	10.	U
91-57-6	2-Methylnaphthalene	10.	U	10.	U	10.	U	10.	U	10.	U
77-47-4	Hexachlorocyclopentadiene	10.	U	10.	U	10.	U	10.	U	10.	U
88-06-2	2,4,6-Trichlorophenol	10.	U	10.	U	10.	U	10.	U	10.	U
95-95-4	2,4,5-Trichlorophenol	25.	U	25.	U	25.	U	25.	U	25.	U
91-58-7	2-Chloronaphthalene	10.	U	10.	U	10.	U	10.	U	10.	U
88-74-4	2-Nitroaniline	25.	U	25.	U	25.	U	25.	U	25.	U
131-11-3	Dimethylphthalate	10.	U	10.	U	10.	U	10.	U	10.	U
208-96-8	Acenaphthylene	10.	U	10.	U	10.	U	10.	U	10.	U
606-20-2	2,6-Dinitrotoluene	10.	U	10.	U	10.	U	10.	U	10.	U
99-09-2	3-Nitroaniline	25.	U	25.	U	25.	U	25.	U	25.	U
83-32-9	Acenaphthene	10.	U	10.	U	10.	U	10.	U	10.	U
51-28-5	2,4-Dinitrophenol	25.	U	25.	U	25.	U	25.	U	25.	U
100-02-7	4-Nitrophenol	25.	U	25.	U	25.	U	25.	U	25.	U
132-64-9	Dibenzofuran	10.	U	10.	U	10.	U	10.	U	10.	U

CEDAR CHEMICAL
GROUNDWATER MONITORING EVENT JULY 2001

SVOA	SHORT ID ----->	1MW-1	1MW-2	1MW-3	1MW-4	1MW-5	1MW-6				
	ORIGINAL ID ----->	001G000108	001G000208	001G000308	001G000408	001G000508	001G000608				
	SAMPLE DATE ----->	07/25/01	07/25/01	07/25/01	07/25/01	07/25/01	07/25/01				
	DATE EXTRACTED --->	07/27/01	07/27/01	07/27/01	07/27/01	07/27/01	07/27/01				
	DATE ANALYZED --->	08/06/01	08/06/01	08/06/01	08/06/01	08/06/01	08/06/01				
	MATRIX ----->	Water	Water	Water	Water	Water	Water				
	UNITS ----->	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L				
CAS #	Parameter	47097	VAL	47097	VAL	47097	VAL	47097	VAL	47097	VAL
121-14-2	2,4-Dinitrotoluene	10.	U	10.	U	10.	U	10.	U	10.	U
84-66-2	Diethylphthalate	10.	U	10.	U	10.	U	10.	U	10.	U
7005-72-3	4-Chlorophenyl-phenylether	10.	U	10.	U	10.	U	10.	U	10.	U
86-73-7	Fluorene	10.	U	10.	U	10.	U	10.	U	10.	U
100-01-6	4-Nitroaniline	25.	U	25.	U	25.	U	25.	U	25.	U
534-52-1	4,6-Dinitro-2-methylphenol	25.	U	25.	U	25.	U	25.	U	25.	U
86-30-6	N-Nitrosodiphenylamine	10.	U	10.	U	10.	U	10.	U	10.	U
101-55-3	4-Bromophenyl-phenylether	10.	U	10.	U	10.	U	10.	U	10.	U
118-74-1	Hexachlorobenzene	10.	U	10.	U	10.	U	25.	U	25.	U
87-86-5	Pentachlorophenol	25.	U	25.	U	25.	U	25.	U	25.	U
85-01-8	Phenanthrene	10.	U	10.	U	10.	U	10.	U	10.	U
120-12-7	Anthracene	10.	U	10.	U	10.	U	10.	U	10.	U
84-74-2	Di-n-butylphthalate	10.	U	10.	U	10.	U	10.	U	10.	U
206-44-0	Fluoranthene	10.	U	10.	U	10.	U	10.	U	10.	U
129-00-0	Pyrene	10.	U	10.	U	10.	U	10.	U	10.	U
85-68-7	Butylbenzylphthalate	10.	U	10.	U	10.	U	10.	U	10.	U
91-94-1	3,3'-Dichlorobenzidine	10.	U	10.	U	10.	U	10.	U	10.	U
56-55-3	Benzo(a)anthracene	10.	U	10.	U	10.	U	10.	U	10.	U
218-01-9	Chrysene	10.	U	10.	U	10.	U	10.	U	10.	U
117-81-7	bis(2-Ethylhexyl)phthalate (BEHP)	29.	U	10.	U	10.	U	10.	U	10.	U
117-84-0	Di-n-octylphthalate	10.	U	10.	U	10.	U	10.	U	10.	U
205-99-2	Benzo(b)fluoranthene	10.	U	10.	U	10.	U	10.	U	10.	U
207-08-9	Benzo(k)fluoranthene	10.	U	10.	U	10.	U	10.	U	10.	U
50-32-8	Benzo(a)pyrene	10.	U	10.	U	10.	U	10.	U	10.	U
193-39-5	Indeno(1,2,3-cd)pyrene	10.	U	10.	U	10.	U	10.	U	10.	U
53-70-3	Dibenz(a,h)anthracene	10.	U	10.	U	10.	U	10.	U	10.	U
191-24-2	Benzo(g,h,i)perylene	10.	U	10.	U	10.	U	10.	U	10.	U
62-53-3	Aniline	10.	U	10.	U	10.	U	10.	U	10.	U
88-85-7	Dinoseb	10.	U	10.	U	10.	U	10.	U	10.	U
709-98-8	Propanil	10.	U	10.	U	10.	U	10.	U	10.	U
95-76-1	3,4-Dichloroaniline	10.	U	10.	U	10.	U	10.	U	0.7	

CEDAR CHEMICAL
GROUNDWATER MONITORING EVENT JULY 2001

SVOA	SHORT ID ----->	1MW-7	2MW-2	2MW-3	2MW-4	2MW-5	2MW-6						
	ORIGINAL ID ----->	001G000708	002G000208	002G000308	002G000408	002G000508	002G000608						
	SAMPLE DATE ----->	07/25/01	07/24/01	07/26/01	07/25/01	07/24/01	07/24/01						
	DATE EXTRACTED -->	07/27/01	07/27/01	07/31/01	07/27/01	07/27/01	07/27/01						
	DATE ANALYZED -->	08/06/01	08/06/01	08/09/01	08/07/01	08/08/01	08/08/01						
	MATRIX ----->	Water	Water	Water	Water	Water	Water						
	UNITS ----->	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L						
CAS #	Parameter	47097	VAL	47097	VAL	47116	VAL	47097	VAL	47097	VAL	47097	VAL
108-95-2	Phenol	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
111-44-4	bis(2-Chloroethyl)ether	10.	U	10.	U	180.	D	10.	U	10.	U	10.	U
95-57-8	2-Chlorophenol	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
541-73-1	1,3-Dichlorobenzene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
106-46-7	1,4-Dichlorobenzene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
100-51-6	Benzyl alcohol	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
95-50-1	1,2-Dichlorobenzene	10.	U	10.	U	92.	D	34.	U	10.	U	11.	U
95-48-7	2-Methylphenol (o-Cresol)	10.	U	10.	U	28.	U	10.	U	10.	U	10.	U
39638-32-9	2,2-Oxybis(2-chloro)propane/bis(2-cl	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
106-44-5	4-Methylphenol (p-Cresol)	10.	U	10.	U	60.	U	10.	U	10.	U	10.	U
621-64-7	N-Nitroso-di-n-propylamine	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
67-72-1	Hexachloroethane	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
98-95-3	Nitrobenzene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
78-59-1	Isophorone	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
88-75-5	2-Nitrophenol	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
105-67-9	2,4-Dimethylphenol	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
65-85-0	Benzoic acid	25.	U	25.	U	25.	U	25.	U	25.	U	25.	U
111-91-1	bis(2-Chloroethoxy)methane	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
120-83-2	2,4-Dichlorophenol	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
120-82-1	1,2,4-Trichlorobenzene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
91-20-3	Naphthalene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
106-47-8	4-Chloroaniline	10.	U	10.	U	34.	U	7.	U	10.	U	10.	U
87-68-3	Hexachlorobutadiene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
59-50-7	4-Chloro-3-methylphenol	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
91-57-6	2-Methylnaphthalene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
77-47-4	Hexachlorocyclopentadiene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
88-06-2	2,4,6-Trichlorophenol	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
95-95-4	2,4,5-Trichlorophenol	25.	U	25.	U	25.	U	25.	U	25.	U	25.	U
91-58-7	2-Chloronaphthalene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
88-74-4	2-Nitroaniline	25.	U	25.	U	25.	U	25.	U	25.	U	25.	U
131-11-3	Dimethylphthalate	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
208-96-8	Acenaphthylene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
606-20-2	2,6-Dinitrotoluene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
99-09-2	3-Nitroaniline	25.	U	25.	U	25.	U	25.	U	25.	U	25.	U
83-32-9	Acenaphthene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
51-28-5	2,4-Dinitrophenol	25.	U	25.	U	25.	U	25.	U	25.	U	25.	U
100-02-7	4-Nitrophenol	25.	U	25.	U	25.	U	25.	U	25.	U	25.	U
132-64-9	Dibenzofuran	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U

*** Validation Complete ***

CEDAR CHEMICAL
GROUNDWATER MONITORING EVENT JULY 2001

SVOA	SHORT ID ----->	1MW-7	2MW-2	2MW-3	2MW-4	2MW-5	2MW-6				
	ORIGINAL ID ----->	001G000708	002G000208	002G000308	002G000408	002G000508	002G000608				
	SAMPLE DATE ----->	07/25/01	07/24/01	07/26/01	07/25/01	07/24/01	07/24/01				
	DATE EXTRACTED -->	07/27/01	07/27/01	07/31/01	07/27/01	07/27/01	07/27/01				
	DATE ANALYZED -->	08/06/01	08/06/01	08/09/01	08/07/01	08/08/01	08/08/01				
	MATRIX ----->	Water	Water	Water	Water	Water	Water				
	UNITS ----->	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L				
CAS #	Parameter	47097	VAL	47097	VAL	47116	VAL	47097	VAL	47097	VAL
121-14-2	2,4-Dinitrotoluene	10.	U	10.	U	10.	U	10.	U	10.	U
84-66-2	Diethylphthalate	10.	U	10.	U	10.	U	10.	U	10.	U
7005-72-3	4-Chlorophenyl-phenylether	10.	U	10.	U	10.	U	10.	U	10.	U
86-73-7	Fluorene	10.	U	10.	U	10.	U	10.	U	10.	U
100-01-6	4-Nitroaniline	25.	U	25.	U	25.	U	25.	U	25.	U
534-52-1	4,6-Dinitro-2-methylphenol	25.	U	25.	U	25.	U	25.	U	25.	U
86-30-6	N-Nitrosodiphenylamine	10.	U	10.	U	10.	U	10.	U	10.	U
101-55-3	4-Bromophenyl-phenylether	10.	U	10.	U	10.	U	10.	U	10.	U
118-74-1	Hexachlorobenzene	10.	U	10.	U	10.	U	10.	U	25.	U
87-86-5	Pentachlorophenol	25.	U	25.	U	25.	U	25.	U	25.	U
85-01-8	Phenanthere	10.	U	10.	U	10.	U	10.	U	10.	U
120-12-7	Anthracene	10.	U	10.	U	10.	U	10.	U	10.	U
84-74-2	Di-n-butylphthalate	10.	U	10.	U	10.	U	10.	U	10.	U
206-44-0	Fluoranthene	10.	U	10.	U	10.	U	10.	U	10.	U
129-00-0	Pyrene	10.	U	10.	U	10.	U	10.	U	10.	U
85-68-7	Butylbenzylphthalate	10.	U	10.	U	10.	U	10.	U	10.	U
91-94-1	3,3'-Dichlorobenzidine	10.	U	10.	U	10.	U	10.	U	10.	U
56-55-3	Benzo(a)anthracene	10.	U	10.	U	10.	U	10.	U	10.	U
218-01-9	Chrysene	10.	U	10.	U	10.	U	10.	U	10.	U
117-81-7	bis(2-Ethylhexyl)phthalate (BEHP)	10.	U	10.	U	10.	U	10.	U	10.	U
117-84-0	Di-n-octylphthalate	10.	U	10.	U	10.	U	10.	U	10.	U
205-99-2	Benzo(b)fluoranthene	10.	U	10.	U	10.	U	10.	U	10.	U
207-08-9	Benzo(k)fluoranthene	10.	U	10.	U	10.	U	10.	U	10.	U
50-32-8	Benzo(a)pyrene	10.	U	10.	U	10.	U	10.	U	10.	U
193-39-5	Indeno(1,2,3-cd)pyrene	10.	U	10.	U	10.	U	10.	U	10.	U
53-70-3	Dibenz(a,h)anthracene	10.	U	10.	U	10.	U	10.	U	10.	U
191-24-2	Benzo(g,h,i)perylene	10.	U	10.	U	10.	U	10.	U	10.	U
62-53-3	Aniline	10.	U	10.	U	10.	U	10.	U	10.	U
88-85-7	Dinoseb	10.	U	4.	5.	10.	U	15.	U	10.	U
709-98-8	Propanil	10.	U	10.	U	6.	U	10.	U	10.	U
95-76-1	3,4-Dichloroaniline	10.	U	17.	U	180.	D	180.	D	2.	U

CEDAR CHEMICAL
GROUNDWATER MONITORING EVENT JULY 2001

SVOA	SHORT ID ----->	2MW-7	4MW-1	4MW-3	4MW-4	9MW-1	EMW-1					
	ORIGINAL ID ----->	002G000708	004G000108	004G000308	004G000408	009G000108	00EG000108					
	SAMPLE DATE ----->	07/24/01	07/26/01	07/25/01	07/24/01	07/26/01	07/26/01					
	DATE EXTRACTED -->	07/27/01	07/31/01	07/31/01	07/27/01	07/31/01	07/31/01					
	DATE ANALYZED -->	08/08/01	08/08/01	08/07/01	08/06/01	08/09/01	08/07/01					
	MATRIX ----->	Water	Water	Water	Water	Water	Water					
	UNITS ----->	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L					
CAS #	Parameter	47097	VAL	47116	VAL	47097	VAL	47116	VAL	47116	VAL	
108-95-2	Phenol	10.	U	290.		10.	U	10.	U	10.	U	
111-44-4	bis(2-Chloroethyl)ether	10.	U	75.	U	10.	U	10.	U	10.	U	
95-57-8	2-Chlorophenol	10.	U	75.	U	10.	U	10.	U	10.	U	
541-73-1	1,3-Dichlorobenzene	10.	U	75.	U	10.	U	10.	U	10.	U	
106-46-7	1,4-Dichlorobenzene	10.	U	75.	U	10.	U	10.	U	10.	U	
100-51-6	Benzyl alcohol	10.	U	75.	U	10.	U	10.	U	10.	U	
95-50-1	1,2-Dichlorobenzene	10.	U	880.	D	10.	U	10.	U	36.	10.	U
95-48-7	2-Methylphenol (o-Cresol)	10.	U	440.		10.	U	10.	U	10.	U	
39638-32-9	2,2-Oxybis(2-chloro)propane/bis(2-cl	10.	U	75.	U	10.	U	10.	U	10.	U	
106-44-5	4-Methylphenol (p-Cresol)	10.	U	480.		10.	U	10.	U	10.	U	
621-64-7	N-Nitroso-di-n-propylamine	10.	U	75.	U	10.	U	10.	U	10.	U	
67-72-1	Hexachloroethane	10.	U	75.	U	10.	U	10.	U	10.	U	
98-95-3	Nitrobenzene	10.	U	75.	U	10.	U	10.	U	10.	U	
78-59-1	Isophorone	10.	U	69.		10.	U	10.	U	31.	10.	U
88-75-5	2-Nitrophenol	10.	U	75.	U	10.	U	10.	U	10.	U	
105-67-9	2,4-Dimethylphenol	10.	U	75.	U	10.	U	10.	U	10.	U	
65-85-0	Benzoic acid	25.	U	78.		25.	U	25.	U	25.	U	
111-91-1	bis(2-Chloroethoxy)methane	10.	U	75.	U	10.	U	10.	U	10.	U	
120-83-2	2,4-Dichlorophenol	10.	U	75.	U	10.	U	10.	U	10.	U	
120-82-1	1,2,4-Trichlorobenzene	10.	U	75.	U	10.	U	10.	U	10.	U	
91-20-3	Naphthalene	10.	U	75.	U	10.	U	10.	U	10.	U	
106-47-8	4-Chloroaniline	10.	U	670.	D	10.	U	10.	U	7.	10.	U
87-68-3	Hexachlorobutadiene	10.	U	75.	U	10.	U	10.	U	10.	U	
59-50-7	4-Chloro-3-methylphenol	10.	U	75.	U	10.	U	10.	U	10.	U	
91-57-6	2-Methylnaphthalene	10.	U	75.	U	10.	U	10.	U	10.	U	
77-47-4	Hexachlorocyclopentadiene	10.	U	75.	U	10.	U	10.	U	10.	U	
88-06-2	2,4,6-Trichlorophenol	10.	U	75.	U	10.	U	10.	U	10.	U	
95-95-4	2,4,5-Trichlorophenol	25.	U	190.	U	25.	U	25.	U	25.	U	
91-58-7	2-Chloronaphthalene	10.	U	75.	U	10.	U	10.	U	10.	U	
88-74-4	2-Nitroaniline	25.	U	190.	U	25.	U	25.	U	25.	U	
131-11-3	Dimethylphthalate	10.	U	75.	U	10.	U	10.	U	10.	U	
208-96-8	Acenaphthylene	10.	U	75.	U	10.	U	10.	U	10.	U	
606-20-2	2,6-Dinitrotoluene	10.	U	75.	U	10.	U	10.	U	10.	U	
99-09-2	3-Nitroaniline	25.	U	190.	U	25.	U	25.	U	25.	U	
83-32-9	Acenaphthene	10.	U	75.	U	10.	U	10.	U	10.	U	
51-28-5	2,4-Dinitrophenol	25.	U	190.	U	25.	U	25.	U	25.	U	
100-02-7	4-Nitrophenol	25.	U	190.	U	25.	U	25.	U	25.	U	
132-64-9	Dibenzofuran	10.	U	75.	U	10.	U	10.	U	10.	U	

CEDAR CHEMICAL
GROUNDWATER MONITORING EVENT JULY 2001

SVOA	SHORT ID ----->	2MW-7	ORIGINAL ID ----->	002G000708	4MW-1	004G000108	4MW-3	004G000308	4MW-4	004G000408	9MW-1	009G000108	EMW-1	00EG000108					
	SAMPLE DATE ----->	07/24/01	DATE EXTRACTED -->	07/27/01	DATE ANALYZED -->	08/08/01	MATRIX ----->	Water	UNITS ----->	UG/L	SAMPLE DATE ----->	07/26/01	DATE EXTRACTED -->	07/31/01	DATE ANALYZED -->	08/09/01	MATRIX ----->	Water	UNITS ----->
CAS #	Parameter	47097	VAL	47116	VAL	47116	VAL	47097	VAL	47116	VAL	47116	VAL	47116	VAL				
121-14-2	2,4-Dinitrotoluene	10.	U	75.	U	10.	U	10.	U	10.	U	10.	U	10.	U				
84-66-2	Diethylphthalate	10.	U	75.	U	10.	U	10.	U	10.	U	10.	U	10.	U				
7005-72-3	4-Chlorophenyl-phenylether	10.	U	75.	U	10.	U	10.	U	10.	U	10.	U	10.	U				
86-73-7	Fluorene	10.	U	75.	U	10.	U	10.	U	10.	U	10.	U	10.	U				
100-01-6	4-Nitroaniline	25.	U	190.	U	25.	U	25.	U	25.	U	25.	U	25.	U				
534-52-1	4,6-Dinitro-2-methylphenol	25.	U	190.	U	25.	U	25.	U	25.	U	25.	U	25.	U				
86-30-6	N-Nitrosodiphenylamine	10.	U	75.	U	10.	U	10.	U	10.	U	10.	U	10.	U				
101-55-3	4-Bromophenyl-phenylether	10.	U	75.	U	10.	U	10.	U	10.	U	10.	U	10.	U				
118-74-1	Hexachlorobenzene	10.	U	75.	U	10.	U	10.	U	10.	U	10.	U	10.	U				
87-86-5	Pentachlorophenol	25.	U	190.	U	25.	U	25.	U	25.	U	25.	U	25.	U				
85-01-8	Phenanthrene	10.	U	75.	U	10.	U	10.	U	10.	U	10.	U	10.	U				
120-12-7	Anthracene	10.	U	75.	U	10.	U	10.	U	10.	U	10.	U	10.	U				
84-74-2	Di-n-butylphthalate	10.	U	75.	U	10.	U	10.	U	10.	U	10.	U	10.	U				
206-44-0	Fluoranthene	10.	U	75.	U	10.	U	10.	U	10.	U	10.	U	10.	U				
129-00-0	Pyrene	10.	U	75.	U	10.	U	10.	U	10.	U	10.	U	10.	U				
85-68-7	Butylbenzylphthalate	10.	U	75.	U	10.	U	10.	U	10.	U	10.	U	10.	U				
91-94-1	3,3'-Dichlorobenzidine	10.	U	75.	U	10.	U	10.	U	10.	U	10.	U	10.	U				
56-55-3	Benzo(a)anthracene	10.	U	75.	U	10.	U	10.	U	10.	U	10.	U	10.	U				
218-01-9	Chrysene	10.	U	75.	U	10.	U	10.	U	10.	U	10.	U	10.	U				
117-81-7	bis(2-Ethylhexyl)phthalate (BEHP)	10.	U	75.	U	10.	U	10.	U	10.	U	10.	U	10.	U				
117-84-0	Di-n-octylphthalate	10.	U	75.	U	10.	U	10.	U	10.	U	10.	U	10.	U				
205-99-2	Benzo(b)fluoranthene	10.	U	75.	U	10.	U	10.	U	10.	U	10.	U	10.	U				
207-08-9	Benzo(k)fluoranthene	10.	U	75.	U	10.	U	10.	U	10.	U	10.	U	10.	U				
50-32-8	Benzo(a)pyrene	10.	U	75.	U	10.	U	10.	U	10.	U	10.	U	10.	U				
193-39-5	Indeno(1,2,3-cd)pyrene	10.	U	75.	U	10.	U	10.	U	10.	U	10.	U	10.	U				
53-70-3	Dibenz(a,h)anthracene	10.	U	75.	U	10.	U	10.	U	10.	U	10.	U	10.	U				
191-24-2	Benzo(g,h,i)perylene	10.	U	75.	U	10.	U	10.	U	10.	U	10.	U	10.	U				
62-53-3	Aniline	10.	U	75.	U	10.	U	10.	U	10.	U	10.	U	11.	U				
88-85-7	Dinoseb	10.	U	75.	U	65.	D	10.	U	10.	U	10.	U	10.	U				
709-98-8	Propanil	10.	U	49.		10.	U	10.	U	10.	U	10.	U	10.	U				
95-76-1	3,4-Dichloroaniline	10.	U	1600.	D	10.	U	2.		110.	D	4.							

CEDAR CHEMICAL
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SVOA	SHORT ID ----->	EMW-2	EMW-3	EMW-4	EMW-7	OFFMW-1	OFFMW-2				
	ORIGINAL ID ----->	00EG000208	00EG000308	00EG000408	00EG000708	0FFG000108	0FFG000208				
	SAMPLE DATE ----->	07/25/01	07/25/01	07/24/01	07/24/01	07/24/01	07/24/01				
	DATE EXTRACTED -->	07/27/01	07/27/01	07/27/01	07/27/01	07/27/01	07/27/01				
	DATE ANALYZED -->	08/07/01	08/03/01	08/06/01	08/06/01	08/08/01	08/08/01				
	MATRIX ----->	Water	Water	Water	Water	Water	Water				
	UNITS ----->	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L				
CAS #	Parameter	47097	VAL	47097	VAL	47097	VAL	47097	VAL	47097	VAL
108-95-2	Phenol	10.	U	10.	U	10.	U	10.	U	10.	U
111-44-4	bis(2-Chloroethyl)ether	10.	U	10.	U	10.	U	10.	U	10.	U
95-57-8	2-Chlorophenol	10.	U	10.	U	10.	U	10.	U	10.	U
541-73-1	1,3-Dichlorobenzene	10.	U	10.	U	10.	U	10.	U	10.	U
106-46-7	1,4-Dichlorobenzene	10.	U	10.	U	10.	U	10.	U	10.	U
100-51-6	Benzyl alcohol	10.	U	10.	U	10.	U	10.	U	10.	U
95-50-1	1,2-Dichlorobenzene	10.	U	72.		26.		10.	U	10.	U
95-48-7	2-Methylphenol (o-Cresol)	10.	U	10.	U	10.	U	10.	U	10.	U
39638-32-9	2,2-Oxybis(2-chloro)propane/bis(2-cl	10.	U	10.	U	10.	U	10.	U	10.	U
106-44-5	4-Methylphenol (p-Cresol)	10.	U	10.	U	10.	U	10.	U	10.	U
621-64-7	N-Nitroso-di-n-propylamine	10.	U	10.	U	10.	U	10.	U	10.	U
67-72-1	Hexachloroethane	10.	U	10.	U	10.	U	10.	U	10.	U
98-95-3	Nitrobenzene	10.	U	10.	U	10.	U	10.	U	10.	U
78-59-1	Isophorone	10.	U	10.	U	10.	U	10.	U	10.	U
88-75-5	2-Nitrophenol	10.	U	10.	U	10.	U	10.	U	10.	U
105-67-9	2,4-Dimethylphenol	10.	U	10.	U	10.	U	10.	U	10.	U
65-85-0	Benzoic acid	25.	U	25.	U	25.	U	25.	U	25.	U
111-91-1	bis(2-Chloroethoxy)methane	10.	U	10.	U	10.	U	10.	U	10.	U
120-83-2	2,4-Dichlorophenol	10.	U	10.	U	10.	U	10.	U	10.	U
120-82-1	1,2,4-Trichlorobenzene	10.	U	10.	U	10.	U	10.	U	10.	U
91-20-3	Naphthalene	10.	U	10.	U	10.	U	10.	U	10.	U
106-47-8	4-Chloroaniline	10.	U	6.		300.	D	10.	U	10.	U
87-68-3	Hexachlorobutadiene	10.	U	10.	U	10.	U	10.	U	10.	U
59-50-7	4-Chloro-3-methylphenol	10.	U	10.	U	10.	U	10.	U	10.	U
91-57-6	2-Methylnaphthalene	10.	U	10.	U	10.	U	10.	U	10.	U
77-47-4	Hexachlorocyclopentadiene	10.	U	10.	U	10.	U	10.	U	10.	U
88-06-2	2,4,6-Trichlorophenol	10.	U	10.	U	10.	U	10.	U	10.	U
95-95-4	2,4,5-Trichlorophenol	25.	U	25.	U	25.	U	25.	U	25.	U
91-58-7	2-Chloronaphthalene	10.	U	10.	U	10.	U	10.	U	10.	U
88-74-4	2-Nitroaniline	25.	U	25.	U	25.	U	25.	U	25.	U
131-11-3	Dimethylphthalate	10.	U	10.	U	10.	U	10.	U	10.	U
208-96-8	Acenaphthylene	10.	U	10.	U	10.	U	10.	U	10.	U
606-20-2	2,6-Dinitrotoluene	10.	U	10.	U	10.	U	10.	U	10.	U
99-09-2	3-Nitroaniline	25.	U	25.	U	25.	U	25.	U	25.	U
83-32-9	Acenaphthene	10.	U	10.	U	10.	U	10.	U	10.	U
51-28-5	2,4-Dinitrophenol	25.	U	25.	U	25.	U	25.	U	25.	U
100-02-7	4-Nitrophenol	25.	U	25.	U	25.	U	25.	U	25.	U
132-64-9	Dibenzofuran	10.	U	10.	U	10.	U	10.	U	10.	U

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SVOA	SHORT ID ----->	EMW-2	EMW-3	EMW-4	EMW-7	OFFMW-1	OFFMW-2				
	ORIGINAL ID ----->	00EG000208	00EG000308	00EG000408	00EG000708	0FFG000108	0FFG000208				
CAS #	Parameter	47097	VAL	47097	VAL	47097	VAL	47097	VAL	47097	VAL
121-14-2	2,4-Dinitrotoluene	10.	U	10.	U	10.	U	10.	U	10.	U
84-66-2	Diethylphthalate	10.	U	10.	U	10.	U	10.	U	10.	U
7005-72-3	4-Chlorophenyl-phenylether	10.	U	10.	U	10.	U	10.	U	10.	U
86-73-7	Fluorene	10.	U	10.	U	10.	U	10.	U	10.	U
100-01-6	4-Nitroaniline	25.	U	25.	U	25.	U	25.	U	25.	U
534-52-1	4,6-Dinitro-2-methylphenol	25.	U	25.	U	25.	U	25.	U	25.	U
86-30-6	N-Nitrosodiphenylamine	10.	U	10.	U	10.	U	10.	U	10.	U
101-55-3	4-Bromophenyl-phenylether	10.	U	10.	U	10.	U	10.	U	10.	U
118-74-1	Hexachlorobenzene	10.	U	10.	U	10.	U	10.	U	10.	U
87-86-5	Pentachlorophenol	25.	U	25.	U	25.	U	25.	U	25.	U
85-01-8	Phenanthrene	10.	U	10.	U	10.	U	10.	U	10.	U
120-12-7	Anthracene	10.	U	10.	U	10.	U	10.	U	10.	U
84-74-2	Di-n-butylphthalate	10.	U	10.	U	10.	U	10.	U	10.	U
206-44-0	Fluoranthene	10.	U	10.	U	10.	U	10.	U	10.	U
129-00-0	Pyrene	10.	U	10.	U	10.	U	10.	U	10.	U
85-68-7	Butylbenzylphthalate	10.	U	10.	U	10.	U	10.	U	10.	U
91-94-1	3,3'-Dichlorobenzidine	10.	U	10.	U	10.	U	10.	U	10.	U
56-55-3	Benzo(a)anthracene	10.	U	10.	U	10.	U	10.	U	10.	U
218-01-9	Chrysene	10.	U	10.	U	10.	U	10.	U	10.	U
117-81-7	bis(2-Ethylhexyl)phthalate (BEHP)	10.	U	15.	U	10.	U	10.	U	10.	U
117-84-0	Di-n-octylphthalate	10.	U	10.	U	10.	U	10.	U	10.	U
205-99-2	Benzo(b)fluoranthene	10.	U	10.	U	10.	U	10.	U	10.	U
207-08-9	Benzo(k)fluoranthene	10.	U	10.	U	10.	U	10.	U	10.	U
50-32-8	Benzo(a)pyrene	10.	U	10.	U	10.	U	10.	U	10.	U
193-39-5	Indeno(1,2,3-cd)pyrene	10.	U	10.	U	10.	U	10.	U	10.	U
53-70-3	Dibenz(a,h)anthracene	10.	U	10.	U	10.	U	10.	U	10.	U
191-24-2	Benzo(g,h,i)perylene	10.	U	10.	U	10.	U	10.	U	10.	U
62-53-3	Aniline	10.	U	10.	U	10.	U	10.	U	10.	U
88-85-7	Dinoseb	28.		52.		10.	U	10.	U	10.	U
709-98-8	Propanil	10.	U	10.	U	10.	U	10.	U	10.	U
95-76-1	3,4-Dichloroaniline	10.	U	270.	D	290.	D	0.9		10.	U
											0.8

*** Validation Complete ***

CEDAR CHEMICAL
GROUNDWATER MONITORING EVENT JULY 2001

SVOA	SHORT ID ----->	OFFMW-2 DUP	ORIGINAL ID ----->	OFFH000208	OFFMW-3	OFFG000308	OFFMW-4	0FFG000408	EPZ-5	PZSG000508	
	SAMPLE DATE ----->	07/24/01	DATE EXTRACTED -->	07/27/01	DATE ANALYZED --->	08/08/01	MATRIX ----->	Water	UNITS ----->	UG/L	
CAS #	Parameter	47097	VAL	47097	VAL	47097	VAL	47116	VAL		
108-95-2	Phenol	10.	U	10.	U	10.	U	10.	U		
111-44-4	bis(2-Chloroethyl)ether	10.	U	14.		10.	U	10.	U		
95-57-8	2-Chlorophenol	10.	U	10.	U	10.	U	10.	U		
541-73-1	1,3-Dichlorobenzene	10.	U	10.	U	10.	U	10.	U		
106-46-7	1,4-Dichlorobenzene	10.	U	10.	U	10.	U	10.	U		
100-51-6	Benzyl alcohol	10.	U	10.	U	10.	U	10.	U		
95-50-1	1,2-Dichlorobenzene	10.	U	10.	U	10.	U	10.	U		
95-48-7	2-Methylphenol (o-Cresol)	10.	U	10.	U	10.	U	10.	U		
39638-32-9	2,2-Oxybis(2-chloro)propane/bis(2-cl	10.	U	10.	U	10.	U	10.	U		
106-44-5	4-Methylphenol (p-Cresol)	10.	U	10.	U	10.	U	10.	U		
621-64-7	N-Nitroso-di-n-propylamine	10.	U	10.	U	10.	U	10.	U		
67-72-1	Hexachloroethane	10.	U	10.	U	10.	U	10.	U		
98-95-3	Nitrobenzene	10.	U	10.	U	10.	U	10.	U		
78-59-1	Isophorone	10.	U	10.	U	10.	U	10.	U		
88-75-5	2-Nitrophenol	10.	U	10.	U	10.	U	10.	U		
105-67-9	2,4-Dimethylphenol	10.	U	10.	U	10.	U	10.	U		
65-85-0	Benzoic acid	25.	U	25.	U	25.	U	25.	U		
111-91-1	bis(2-Chloroethoxy)methane	10.	U	10.	U	10.	U	10.	U		
120-83-2	2,4-Dichlorophenol	10.	U	10.	U	10.	U	10.	U		
120-82-1	1,2,4-Trichlorobenzene	10.	U	10.	U	10.	U	10.	U		
91-20-3	Naphthalene	10.	U	10.	U	10.	U	10.	U		
106-47-8	4-Chloroaniline	10.	U	10.	U	10.	U	10.	U		
87-68-3	Hexachlorobutadiene	10.	U	10.	U	10.	U	10.	U		
59-50-7	4-Chloro-3-methylphenol	10.	U	10.	U	10.	U	10.	U		
91-57-6	2-Methylnaphthalene	10.	U	10.	U	10.	U	10.	U		
77-47-4	Hexachlorocyclopentadiene	10.	U	10.	U	10.	U	10.	U		
88-06-2	2,4,6-Trichlorophenol	10.	U	10.	U	10.	U	10.	U		
95-95-4	2,4,5-Trichlorophenol	25.	U	25.	U	25.	U	25.	U		
91-58-7	2-Chloronaphthalene	10.	U	10.	U	10.	U	10.	U		
88-74-4	2-Nitroaniline	25.	U	25.	U	25.	U	25.	U		
131-11-3	Dimethylphthalate	10.	U	10.	U	10.	U	10.	U		
208-96-8	Acenaphthylene	10.	U	10.	U	10.	U	10.	U		
606-20-2	2,6-Dinitrotoluene	10.	U	10.	U	10.	U	10.	U		
99-09-2	3-Nitroaniline	25.	U	25.	U	25.	U	25.	U		
83-32-9	Acenaphthene	10.	U	10.	U	10.	U	10.	U		
51-28-5	2,4-Dinitrophenol	25.	U	25.	U	25.	U	25.	U		
100-02-7	4-Nitrophenol	25.	U	25.	U	25.	U	25.	U		
132-64-9	Dibenzofuran	10.	U	10.	U	10.	U	10.	U		

*** Validation Complete ***

CEDAR CHEMICAL
GROUNDWATER MONITORING EVENT JULY 2001

SVOA	SHORT ID ----->	OFFMW-2 DUP	OFFMW-3	OFFMW-4	EPZ-5						
	ORIGINAL ID ----->	OFFH000208	OFFG000308	OFFG000408	PZ5G000508						
	SAMPLE DATE ----->	07/24/01	07/24/01	07/24/01	07/26/01						
	DATE EXTRACTED -->	07/27/01	07/27/01	07/27/01	07/31/01						
	DATE ANALYZED --->	08/08/01	08/08/01	08/08/01	08/07/01						
	MATRIX ----->	Water	Water	Water	Water						
	UNITS ----->	UG/L	UG/L	UG/L	UG/L						
CAS #	Parameter	47097	VAL	47097	VAL	47097	VAL	47116	VAL		
121-14-2	2,4-Dinitrotoluene	10.	U	10.	U	10.	U	10.	U		
84-66-2	Diethylphthalate	10.	U	10.	U	10.	U	10.	U		
7005-72-3	4-Chlorophenyl-phenylether	10.	U	10.	U	10.	U	10.	U		
86-73-7	Fluorene	10.	U	10.	U	10.	U	10.	U		
100-01-6	4-Nitroaniline	25.	U	25.	U	25.	U	25.	U		
534-52-1	4,6-Dinitro-2-methylphenol	25.	U	25.	U	25.	U	25.	U		
86-30-6	N-Nitrosodiphenylamine	10.	U	10.	U	10.	U	10.	U		
101-55-3	4-Bromophenyl-phenylether	10.	U	10.	U	10.	U	10.	U		
118-74-1	Hexachlorobenzene	10.	U	10.	U	10.	U	10.	U		
87-86-5	Pentachlorophenol	25.	U	25.	U	25.	U	25.	U		
85-01-8	Phenanthrene	10.	U	10.	U	10.	U	10.	U		
120-12-7	Anthracene	10.	U	10.	U	10.	U	10.	U		
84-74-2	Di-n-butylphthalate	10.	U	10.	U	10.	U	10.	U		
206-44-0	Fluoranthene	10.	U	10.	U	10.	U	10.	U		
129-00-0	Pyrene	10.	U	10.	U	10.	U	10.	U		
85-68-7	Butylbenzylphthalate	10.	U	10.	U	10.	U	10.	U		
91-94-1	3,3'-Dichlorobenzidine	10.	U	10.	U	10.	U	10.	U		
56-55-3	Benzo(a)anthracene	10.	U	10.	U	10.	U	10.	U		
218-01-9	Chrysene	10.	U	10.	U	10.	U	10.	U		
117-81-7	bis(2-Ethylhexyl)phthalate (BEHP)	27.	U	10.	U	10.	U	10.	U		
117-84-0	Di-n-octylphthalate	10.	U	10.	U	10.	U	10.	U		
205-99-2	Benzo(b)fluoranthene	10.	U	10.	U	10.	U	10.	U		
207-08-9	Benzo(k)fluoranthene	10.	U	10.	U	10.	U	10.	U		
50-32-8	Benzo(a)pyrene	10.	U	10.	U	10.	U	10.	U		
193-39-5	Indeno(1,2,3-cd)pyrene	10.	U	10.	U	10.	U	10.	U		
53-70-3	Dibenz(a,h)anthracene	10.	U	10.	U	10.	U	10.	U		
191-24-2	Benzo(g,h,i)perylene	10.	U	10.	U	10.	U	10.	U		
62-53-3	Aniline	10.	U	10.	U	10.	U	10.	U		
88-85-7	Dinoseb	10.	U	10.	U	10.	U	170.	D		
709-98-8	Propanil	10.	U	10.	U	10.	U	10.	U		
95-76-1	3,4-Dichloroaniline	10.	U	10.	U	10.	U	10.	U		

CEDAR CHEMICAL
GROUNDWATER MONITORING EVENT JULY 2001

VOA	SHORT ID ----->	1MW-1	1MW-2	1MW-3	1MW-4	1MW-5	1MW-6						
	ORIGINAL ID ----->	001G000108	001G000208	001G000308	001G000408	001G000508	001G000608						
	SAMPLE DATE ----->	07/25/01	07/25/01	07/25/01	07/25/01	07/25/01	07/25/01						
	DATE ANALYZED ----->	07/27/01	07/27/01	07/27/01	07/27/01	07/27/01	07/27/01						
	MATRIX ----->	Water	Water	Water	Water	Water	Water						
	UNITS ----->	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L						
CAS #	Parameter	47097	VAL	47097	VAL	47097	VAL	47097	VAL	47097	VAL		
74-87-3	Chloromethane		1.	U		1.	U		1.	U		1.	U
75-01-4	Vinyl chloride		1.	U		1.	U		1.	U		1.	U
74-83-9	Bromomethane		1.	U		1.	U		1.	U		1.	U
75-00-3	Chloroethane		1.	U		1.	U		1.	U		1.	U
75-69-4	Trichlorofluoromethane		1.	U		1.	U		1.	U		1.	U
75-35-4	1,1-Dichloroethene		1.	U		1.	U		1.	U		1.	U
67-64-1	Acetone		5.	U		5.	U		5.	U		13.	U
75-15-0	Carbon disulfide		1.	U		1.	U		1.	U		1.	U
75-09-2	Methylene chloride		3.	U		2.	U		5.	U		4.	U
156-60-5	trans-1,2-Dichloroethene		1.	U		1.	U		1.	U		1.	U
75-34-3	1,1-Dichloroethane		1.	U		1.	U		1.	U		1.	U
108-05-4	Vinyl acetate		1.	U		1.	U		1.	U		1.	U
156-59-2	cis-1,2-Dichloroethene		1.	U		1.	U		1.	U		1.	U
78-93-3	2-Butanone (MEK)		5.	U		5.	U		5.	U		5.	U
74-97-5	Chlorobromomethane		1.	U		1.	U		1.	U		1.	U
67-66-3	Chloroform		1.	U		1.	U		1.	U		1.	U
71-55-6	1,1,1-Trichloroethane		1.	U		1.	U		1.	U		1.	U
56-23-5	Carbon tetrachloride		1.	U		1.	U		1.	U		1.	U
71-43-2	Benzene		1.	U		1.	U		1.	U		1.	U
107-06-2	1,2-Dichloroethane		0.2		0.8		10.		110.	D		1.	U
79-01-6	Trichloroethene		1.	U		1.	U		1.	U		1.	U
78-87-5	1,2-Dichloropropane		1.	U		1.	U		1.	U		1.	U
74-95-3	Methylene bromide		1.	U		1.	U		1.	U		1.	U
75-27-4	Bromodichloromethane		1.	U		1.	U		1.	U		1.	U
110-75-8	2-Chloroethylvinylether		1.	U		1.	U		1.	U		1.	U
10061-01-5	cis-1,3-Dichloropropene		1.	U		1.	U		1.	U		1.	U
108-10-1	4-Methyl-2-Pentanone (MIBK)		5.	U		5.	U		5.	U		5.	U
108-88-3	Toluene		1.	U		1.	U		1.	U		1.	U
10061-02-6	trans-1,3-Dichloropropene		1.	U		1.	U		1.	U		1.	U
79-00-5	1,1,2-Trichloroethane		1.	U		1.	U		1.	U		1.	U
106-93-4	1,2-Dibromoethane		1.	U		1.	U		1.	U		1.	U
127-18-4	Tetrachloroethene		1.	U		1.	U		1.	U		1.	U
591-78-6	2-Hexanone		5.	U		5.	U		5.	U		5.	U
124-48-1	Dibromochloromethane		1.	U		1.	U		1.	U		1.	U
108-90-7	Chlorobenzene		1.	U		1.	U		1.	U		0.7	
100-41-4	Ethylbenzene		1.	U		1.	U		1.	U		1.	U
1330-20-7	Xylene (total)		1.	U		1.	U		1.	U		1.	U
100-42-5	Styrene		1.	U		1.	U		1.	U		1.	U
75-25-2	Bromoform		1.	U		1.	U		1.	U		1.	U

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VOA	SHORT ID ----->	1MW-1	1MW-2	1MW-3	1MW-4	1MW-5	1MW-6				
	ORIGINAL ID ----->	001G000108	001G000208	001G000308	001G000408	001G000508	001G000608				
	SAMPLE DATE ----->	07/25/01	07/25/01	07/25/01	07/25/01	07/25/01	07/25/01				
	DATE ANALYZED ----->	07/27/01	07/27/01	07/27/01	07/27/01	07/27/01	07/27/01				
	MATRIX ----->	Water	Water	Water	Water	Water	Water				
	UNITS ----->	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L				
CAS #	Parameter	47097	VAL	47097	VAL	47097	VAL	47097	VAL	47097	VAL
108-86-1	Bromobenzene	1.	U	1.	U	1.	U	1.	U	1.	U
79-34-5	1,1,2,2-Tetrachloroethane	1.	U	1.	U	1.	U	1.	U	1.	U
541-73-1	1,3-Dichlorobenzene	1.	U	1.	U	0.5		1.	U	1.	U
106-46-7	1,4-Dichlorobenzene	1.	U	1.	U	1.		0.5		1.	U
95-50-1	1,2-Dichlorobenzene	1.	U	1.	U	2.		0.9		1.	U

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VOA	SHORT ID ----->	2MW-7	4MW-1	4MW-3	4MW-4	9MW-1	EMW-1				
	ORIGINAL ID ----->	002G000708	004G000108	004G000308	004G000408	009G000108	00EG000108				
	SAMPLE DATE ----->	07/24/01	07/26/01	07/25/01	07/24/01	07/26/01	07/26/01				
	DATE ANALYZED ----->	08/01/01	08/02/01	08/02/01	07/27/01	08/03/01	08/02/01				
	MATRIX ----->	Water	Water	Water	Water	Water	Water				
	UNITS ----->	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L				
CAS #	Parameter	47097	VAL	47116	VAL	47097	VAL	47116	VAL	47116	VAL
74-87-3	Chloromethane	1.	U	2500.	U	50.	U	1.	U	25.	U
75-01-4	Vinyl chloride	1.	U	2500.	U	50.	U	1.	U	25.	U
74-83-9	Bromomethane	1.	U	2500.	U	50.	U	1.	U	25.	U
75-00-3	Chloroethane	1.	U	2500.	U	50.	U	1.	U	25.	U
75-69-4	Trichlorofluoromethane	1.	U	2500.	U	50.	U	1.	U	25.	U
75-35-4	1,1-Dichloroethene	1.	U	2500.	U	50.	U	1.	U	25.	U
67-64-1	Acetone	5.	U	12000.	U	250.	U	5.	U	120.	U
75-15-0	Carbon disulfide	1.	U	2500.	U	50.	U	1.	U	25.	U
75-09-2	Methylene chloride	2.	U	10000.	U	140.	U	2.	U	88.	U
156-60-5	trans-1,2-Dichloroethene	1.	U	2500.	U	50.	U	1.	U	25.	U
75-34-3	1,1-Dichloroethane	1.	U	2500.	U	50.	U	1.	U	25.	U
108-05-4	Vinyl acetate	1.	U	2500.	U	50.	U	1.	U	25.	U
156-59-2	cis-1,2-Dichloroethene	1.	U	2500.	U	50.	U	1.	U	25.	U
78-93-3	2-Butanone (MEK)	5.	U	12000.	U	250.	U	5.	U	120.	U
74-97-5	Chlorobromomethane	1.	U	2500.	U	50.	U	1.	U	25.	U
67-66-3	Chloroform	1.	U	4200.	U	50.	U	1.	U	15.	U
71-55-6	1,1,1-Trichloroethane	1.	U	2500.	U	50.	U	1.	U	25.	U
56-23-5	Carbon tetrachloride	1.	U	2500.	U	50.	U	1.	U	25.	U
71-43-2	Benzene	1.	U	810.		50.	U	1.	U	25.	U
107-06-2	1,2-Dichloroethane	1.	U	19000.		1500.		820.	D	420.	2.
79-01-6	Trichloroethene	1.	U	2500.	U	50.	U	1.	U	25.	U
78-87-5	1,2-Dichloropropane	1.	U	2500.	U	50.	U	1.	U	25.	U
74-95-3	Methylene bromide	1.	U	2500.	U	50.	U	1.	U	25.	U
75-27-4	Bromodichloromethane	1.	U	2500.	U	50.	U	1.	U	25.	U
110-75-8	2-Chloroethylvinylether	1.	U	2500.	U	50.	U	1.	U	25.	U
10061-01-5	cis-1,3-Dichloropropene	1.	U	2500.	U	50.	U	1.	U	25.	U
108-10-1	4-Methyl-2-Pentanone (MIBK)	5.	U	12000.	U	250.	U	5.	U	120.	U
108-88-3	Toluene	1.	U	760000.	D	50.	U	1.	U	25.	U
10061-02-6	trans-1,3-Dichloropropene	1.	U	2500.	U	50.	U	1.	U	25.	U
79-00-5	1,1,2-Trichloroethane	1.	U	2500.	U	50.	U	1.	U	25.	U
106-93-4	1,2-Dibromoethane	1.	U	2500.	U	50.	U	1.	U	25.	U
127-18-4	Tetrachloroethene	1.	U	2500.	U	50.	U	1.	U	25.	U
591-78-6	2-Hexanone	5.	U	12000.	U	250.	U	5.	U	120.	U
124-48-1	Dibromochloromethane	1.	U	2500.	U	50.	U	1.	U	25.	U
108-90-7	Chlorobenzene	1.	U	2500.	U	50.	U	16.		25.	U
100-41-4	Ethylbenzene	1.	U	2000.		50.	U	1.	U	25.	U
1330-20-7	Xylene (total)	1.	U	13000.		50.	U	1.	U	25.	U
100-42-5	Styrene	1.	U	2500.	U	50.	U	1.	U	25.	U
75-25-2	Bromoform	1.	U	2500.	U	50.	U	1.	U	25.	U

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VOA		SHORT ID ----->	2MW-7	4MW-1	4MW-3	4MW-4	9MW-1	EMW-1
CAS #	Parameter							
108-86-1	Bromobenzene		1.	U	2500.	U	50.	U
79-34-5	1,1,2,2-Tetrachloroethane		1.	U	2500.	U	50.	U
541-73-1	1,3-Dichlorobenzene		1.	U	2500.	U	50.	U
106-46-7	1,4-Dichlorobenzene		1.	U	2500.	U	50.	U
95-50-1	1,2-Dichlorobenzene		1.	U	6800.		50.	U
							0.4	0.4
							25.	U
							25.	U
							25.	U
							25.	U
							62.	U
								1.
								U

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VOA	SHORT ID ----->	EMW-2	EMW-3	EMW-4	EMW-7	OFFMW-1	OFFMW-2				
	ORIGINAL ID ----->	00EG000208	00EG000308	00EG000408	00EG000708	0FFG000108	0FFG000208				
	SAMPLE DATE ----->	07/25/01	07/25/01	07/24/01	07/24/01	07/24/01	07/24/01				
	DATE ANALYZED ----->	08/01/01	08/01/01	07/27/01	07/27/01	07/31/01	07/31/01				
	MATRIX ----->	Water	Water	Water	Water	Water	Water				
	UNITS ----->	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L				
CAS #	Parameter	47097	VAL	47097	VAL	47097	VAL	47097	VAL	47097	VAL
74-87-3	Chloromethane		1. U	250. U	1. U	1. U	50. U	5. U		5. U	
75-01-4	Vinyl chloride		1. U	250. U	1. U	5. U	50. U	5. U		5. U	
74-83-9	Bromomethane		1. U	250. U	1. U	1. U	50. U	5. U		5. U	
75-00-3	Chloroethane		1. U	250. U	1. U	1. U	50. U	5. U		5. U	
75-69-4	Trichlorofluoromethane		1. U	250. U	1. U	1. U	50. U	5. U		5. U	
75-35-4	1,1-Dichloroethene		1. U	250. U	1. U	1. U	50. U	5. U		5. U	
67-64-1	Acetone		2. U	1200. U	8. U	5. U	250. U	31. U		5. U	
75-15-0	Carbon disulfide		1. U	250. U	1. U	1. U	50. U	5. U		5. U	
75-09-2	Methylene chloride		2. U	920. U	3. U	4. U	100. U	37. U		5. U	
156-60-5	trans-1,2-Dichloroethene		1. U	250. U	0.4	1. U	50. U	5. U		5. U	
75-34-3	1,1-Dichloroethane		1. U	250. U	1. U	0.7	50. U	5. U		5. U	
108-05-4	Vinyl acetate		1. U	250. U	1. U	1. U	50. U	5. U		5. U	
156-59-2	cis-1,2-Dichloroethene		1. U	250. U	0.6	1. U	50. U	5. U		5. U	
78-93-3	2-Butanone (MEK)		5. U	1200. U	5. U	5. U	250. U	25. U		5. U	
74-97-5	Chlorobromomethane		1. U	250. U	1. U	1. U	50. U	5. U		5. U	
67-66-3	Chloroform		1. U	250. U	1. U	1. U	50. U	5. U		5. U	
71-55-6	1,1,1-Trichloroethane		1. U	250. U	1. U	1. U	50. U	5. U		5. U	
56-23-5	Carbon tetrachloride		1. U	250. U	1. U	1. U	50. U	5. U		5. U	
71-43-2	Benzene		1. U	250. U	4.	1. U	50. U	5. U		5. U	
107-06-2	1,2-Dichloroethane		2. U	5300. D	660. D	24000. D	1400. D	14000. D		5. U	
79-01-6	Trichloroethene		1. U	250. U	1. U	1. U	50. U	5. U		5. U	
78-87-5	1,2-Dichloropropane		1. U	250. U	1. U	1. U	50. U	5. U		5. U	
74-95-3	Methylene bromide		1. U	250. U	1. U	1. U	50. U	5. U		5. U	
75-27-4	Bromodichloromethane		1. U	250. U	1. U	1. U	50. U	5. U		5. U	
110-75-8	2-Chloroethylvinylether		1. U	250. U	1. U	1. U	50. U	5. U		5. U	
10061-01-5	cis-1,3-Dichloropropene		1. U	250. U	1. U	1. U	50. U	5. U		5. U	
108-10-1	4-Methyl-2-Pentanone (MIBK)		5. U	1200. U	5. U	5. U	250. U	25. U		5. U	
108-88-3	Toluene		1. U	250. U	1. U	1. U	50. U	5. U		5. U	
10061-02-6	trans-1,3-Dichloropropene		1. U	250. U	1. U	1. U	50. U	5. U		5. U	
79-00-5	1,1,2-Trichloroethane		1. U	250. U	1. U	1. U	50. U	5. U		5. U	
106-93-4	1,2-Dibromoethane		1. U	250. U	1. U	1. U	50. U	5. U		5. U	
127-18-4	Tetrachloroethene		1. U	250. U	1. U	1. U	50. U	5. U		5. U	
591-78-6	2-Hexanone		5. U	1200. U	5. U	5. U	250. U	25. U		5. U	
124-48-1	Dibromochloromethane		1. U	250. U	1. U	1. U	50. U	5. U		5. U	
108-90-7	Chlorobenzene		0.5	250. U	79. D	1.	50. U	5. U		5. U	
100-41-4	Ethylbenzene		1. U	250. U	1. U	1. U	50. U	5. U		5. U	
1330-20-7	Xylene (total)		1. U	250. U	1. U	1. U	50. U	5. U		5. U	
100-42-5	Styrene		1. U	250. U	1. U	1. U	50. U	5. U		5. U	
75-25-2	Bromoform		1. U	250. U	1. U	1. U	50. U	5. U		5. U	

*** Validation Complete ***

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VOA		SHORT ID ----->	EMW-2	EMW-3	EMW-4	EMW-7	OFFMW-1	OFFMW-2
CAS #	Parameter							
108-86-1	Bromobenzene		1.	U	250.	U	1.	U
79-34-5	1,1,2,2-Tetrachloroethane		1.	U	250.	U	1.	U
541-73-1	1,3-Dichlorobenzene		1.	U	250.	U	1.	U
106-46-7	1,4-Dichlorobenzene		1.	U	250.	U	0.5	U
95-50-1	1,2-Dichlorobenzene		1.		130.		48.	D
							2.	
							50.	U
							50.	U
							50.	U
							50.	U
							60.	U
								5.
								U
								5.
								U
								5.
								U

*** Validation Complete ***

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VOA		SHORT ID ----->	OFFMW-2 DUP	OFFMW-3	OFFMW-4	AGI-1	AGI-1 DUP	AGI-2		
		ORIGINAL ID ----->	OFFH000208	OFFG000308	OFFG000408	AGIG000101	AGIH000101	AGIG000201		
		SAMPLE DATE ----->	07/24/01	07/24/01	07/24/01	07/24/01	07/24/01	07/25/01		
		DATE ANALYZED ----->	08/01/01	08/01/01	07/31/01	08/01/01	07/31/01	08/02/01		
		MATRIX ----->	Water	Water	Water	Water	Water	Water		
		UNITS ----->	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L		
CAS #	Parameter		47097	VAL	47097	VAL	47097	VAL	47116	VAL
74-87-3	Chloromethane		500.	U	25.	U	10.	U	2.	U
75-01-4	Vinyl chloride		500.	U	25.	U	10.	U	2.	U
74-83-9	Bromomethane		500.	U	25.	U	10.	U	2.	U
75-00-3	Chloroethane		500.	U	25.	U	10.	U	2.	U
75-69-4	Trichlorofluoromethane		500.	U	25.	U	10.	U	2.	U
75-35-4	1,1-Dichloroethene		500.	U	25.	U	10.	U	2.	U
67-64-1	Acetone		2500.	U	120.	U	50.	U	12.	U
75-15-0	Carbon disulfide		500.	U	25.	U	10.	U	2.	U
75-09-2	Methylene chloride		1000.	U	76.	U	20.	U	9.	U
156-60-5	trans-1,2-Dichloroethene		500.	U	25.	U	10.	U	2.	U
75-34-3	1,1-Dichloroethane		500.	U	25.	U	10.	U	2.	U
108-05-4	Vinyl acetate		500.	U	25.	U	10.	U	2.	U
156-59-2	cis-1,2-Dichloroethene		500.	U	25.	U	10.	U	2.	U
78-93-3	2-Butanone (MEK)		2500.	U	120.	U	50.	U	12.	U
74-97-5	Chlorobromomethane		500.	U	25.	U	10.	U	2.	U
67-66-3	Chloroform		500.	U	25.	U	10.	U	2.	U
71-55-6	1,1,1-Trichloroethane		500.	U	25.	U	10.	U	2.	U
56-23-5	Carbon tetrachloride		500.	U	25.	U	10.	U	2.	U
71-43-2	Benzene		500.	U	25.	U	10.	U	2.	U
107-06-2	1,2-Dichloroethane		10000.		530.		330.		46.	
79-01-6	Trichloroethene		500.	U	25.	U	10.	U	2.	U
78-87-5	1,2-Dichloropropane		500.	U	25.	U	10.	U	2.	U
74-95-3	Methylene bromide		500.	U	25.	U	10.	U	2.	U
75-27-4	Bromodichloromethane		500.	U	25.	U	10.	U	2.	U
110-75-8	2-Chloroethylvinylether		500.	U	25.	U	10.	U	2.	U
10061-01-5	cis-1,3-Dichloropropene		500.	U	25.	U	10.	U	2.	U
108-10-1	4-Methyl-2-Pentanone (MIBK)		2500.	U	120.	U	50.	U	12.	U
108-88-3	Toluene		500.	U	25.	U	10.	U	2.	U
10061-02-6	trans-1,3-Dichloropropene		500.	U	25.	U	10.	U	2.	U
79-00-5	1,1,2-Trichloroethane		500.	U	25.	U	10.	U	2.	U
106-93-4	1,2-Dibromoethane		500.	U	25.	U	10.	U	2.	U
127-18-4	Tetrachloroethene		500.	U	25.	U	10.	U	2.	U
591-78-6	2-Hexanone		2500.	U	120.	U	50.	U	12.	U
124-48-1	Dibromochloromethane		500.	U	25.	U	10.	U	2.	U
108-90-7	Chlorobenzene		500.	U	25.	U	10.	U	2.	U
100-41-4	Ethylbenzene		500.	U	25.	U	10.	U	2.	U
1330-20-7	Xylene (total)		500.	U	25.	U	10.	U	2.	U
100-42-5	Styrene		500.	U	25.	U	10.	U	2.	U
75-25-2	Bromoform		500.	U	25.	U	10.	U	2.	U

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VOA		SHORT ID ----->	OFFMW-2 DUP	OFFMW-3	OFFMW-4	AGI-1	AGI-1 DUP	AGI-2
CAS #	Parameter		ORIGINAL ID ----->	OFFH000208	OFFG000308	AGIG000101	AGIH000101	AGIG000201
108-86-1	Bromobenzene		500.	U	25.	U	10.	U
79-34-5	1,1,2,2-Tetrachloroethane		500.	U	25.	U	10.	U
541-73-1	1,3-Dichlorobenzene		500.	U	25.	U	10.	U
106-46-7	1,4-Dichlorobenzene		500.	U	25.	U	10.	U
95-50-1	1,2-Dichlorobenzene		500.	U	25.	U	10.	U

*** Validation Complete ***

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VOA	SHORT ID ----->	AGI-3	AGI-4	AGI-5	AGI-6	AGI-7	BHA-1				
	ORIGINAL ID ----->	AGIG000301	AGIG000401	AGIG000501	AGIG000601	AGIG000701	BHAG000102				
CAS #	Parameter	47116	VAL	47116	VAL	47116	VAL	47116	VAL	47116	VAL
74-87-3	Chloromethane	1.	U	1.	U	1.	U	1.	U	5.	U
75-01-4	Vinyl chloride	1.	U	1.	U	1.	U	1.	U	5.	U
74-83-9	Bromomethane	1.	U	1.	U	1.	U	1.	U	5.	U
75-00-3	Chloroethane	1.	U	1.	U	1.	U	1.	U	5.	U
75-69-4	Trichlorofluoromethane	1.	U	1.	U	1.	U	1.	U	5.	U
75-35-4	1,1-Dichloroethene	1.	U	1.	U	1.	U	1.	U	5.	U
67-64-1	Acetone	5.	U	5.	U	5.	U	5.	U	25.	U
75-15-0	Carbon disulfide	1.	U	1.	U	1.	U	1.	U	5.	U
75-09-2	Methylene chloride	5.	U	2.	U	2.	U	2.	U	13.	U
156-60-5	trans-1,2-Dichloroethene	1.	U	1.	U	1.	U	1.	U	5.	U
75-34-3	1,1-Dichloroethane	1.	U	1.	U	1.	U	1.	U	5.	U
108-05-4	Vinyl acetate	1.	U	1.	U	1.	U	1.	U	5.	U
156-59-2	cis-1,2-Dichloroethene	1.	U	1.	U	1.	U	1.	U	5.	U
78-93-3	2-Butanone (MEK)	5.	U	5.	U	5.	U	5.	U	25.	U
74-97-5	Chlorobromomethane	1.	U	1.	U	1.	U	1.	U	5.	U
67-66-3	Chloroform	1.	U	1.	U	1.	U	1.	U	5.	U
71-55-6	1,1,1-Trichloroethane	1.	U	1.	U	1.	U	1.	U	5.	U
56-23-5	Carbon tetrachloride	1.	U	1.	U	1.	U	1.	U	5.	U
71-43-2	Benzene	1.	U	1.	U	1.	U	1.	U	5.	U
107-06-2	1,2-Dichloroethane	1.	U	1.	U	1.	U	1.	U	100.	U
79-01-6	Trichloroethene	1.	U	1.	U	1.	U	1.	U	5.	U
78-87-5	1,2-Dichloropropane	1.	U	1.	U	1.	U	1.	U	5.	U
74-95-3	Methylene bromide	1.	U	1.	U	1.	U	1.	U	5.	U
75-27-4	Bromodichloromethane	1.	U	1.	U	1.	U	1.	U	5.	U
110-75-8	2-Chloroethylvinylether	1.	U	1.	U	1.	U	1.	U	5.	U
10061-01-5	cis-1,3-Dichloropropene	1.	U	1.	U	1.	U	1.	U	5.	U
108-10-1	4-Methyl-2-Pentanone (MIBK)	5.	U	5.	U	5.	U	5.	U	25.	U
108-88-3	Toluene	1.	U	1.	U	0.6	U	1.	U	0.5	U
10061-02-6	trans-1,3-Dichloropropene	1.	U	1.	U	1.	U	1.	U	5.	U
79-00-5	1,1,2-Trichloroethane	1.	U	1.	U	1.	U	1.	U	5.	U
106-93-4	1,2-Dibromoethane	1.	U	1.	U	1.	U	1.	U	5.	U
127-18-4	Tetrachloroethene	1.	U	1.	U	1.	U	1.	U	5.	U
591-78-6	2-Hexanone	5.	U	5.	U	5.	U	5.	U	25.	U
124-48-1	Dibromochloromethane	1.	U	1.	U	1.	U	1.	U	5.	U
108-90-7	Chlorobenzene	1.	U	1.	U	1.	U	1.	U	5.	U
100-41-4	Ethylbenzene	1.	U	1.	U	1.	U	1.	U	5.	U
1330-20-7	Xylene (total)	1.	U	1.	U	1.	U	1.	U	5.	U
100-42-5	Styrene	1.	U	1.	U	1.	U	1.	U	5.	U
75-25-2	Bromoform	1.	U	1.	U	1.	U	1.	U	5.	U

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VOA		SHORT ID ----->	AGI-3	AGI-4	AGI-5	AGI-6	AGI-7	BHA-1		
CAS #	Parameter		47116	VAL	47116	VAL	47116	VAL	47116	VAL
108-86-1	Bromobenzene		1.	U	1.	U	1.	U	1.	U
79-34-5	1,1,2,2-Tetrachloroethane		1.	U	1.	U	1.	U	1.	U
541-73-1	1,3-Dichlorobenzene		1.	U	1.	U	1.	U	1.	U
106-46-7	1,4-Dichlorobenzene		1.	U	1.	U	1.	U	1.	U
95-50-1	1,2-Dichlorobenzene		1.	U	1.	U	1.	U	1.	U

*** Validation Complete ***

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VOA		SHORT ID -----> ORIGINAL ID -----> SAMPLE DATE -----> DATE ANALYZED -----> MATRIX -----> UNITS ----->	EPZ-5 P25G000508 07/26/01 08/02/01 Water UG/L					
CAS #	Parameter	47116	VAL					
74-87-3	Chloromethane		1.	U				
75-01-4	Vinyl chloride		1.	U				
74-83-9	Bromomethane		1.	U				
75-00-3	Chloroethane		1.	U				
75-69-4	Trichlorofluoromethane		1.	U				
75-35-4	1,1-Dichloroethene		1.	U				
67-64-1	Acetone		5.	U				
75-15-0	Carbon disulfide		1.	U				
75-09-2	Methylene chloride		2.	U				
156-60-5	trans-1,2-Dichloroethene		1.	U				
75-34-3	1,1-Dichloroethane		1.	U				
108-05-4	Vinyl acetate		1.	U				
156-59-2	cis-1,2-Dichloroethene		1.	U				
78-93-3	2-Butanone (MEK)		5.	U				
74-97-5	Chlorobromomethane		1.	U				
67-66-3	Chloroform		1.	U				
71-55-6	1,1,1-Trichloroethane		1.	U				
56-23-5	Carbon tetrachloride		1.	U				
71-43-2	Benzene		1.	U				
107-06-2	1,2-Dichloroethane		3.					
79-01-6	Trichloroethene		1.	U				
78-87-5	1,2-Dichloropropane		1.	U				
74-95-3	Methylene bromide		1.	U				
75-27-4	Bromodichloromethane		1.	U				
110-75-8	2-Chloroethylvinylether		1.	U				
10061-01-5	cis-1,3-Dichloropropene		1.	U				
108-10-1	4-Methyl-2-Pentanone (MIBK)		5.	U				
108-88-3	Toluene		1.	U				
10061-02-6	trans-1,3-Dichloropropene		1.	U				
79-00-5	1,1,2-Trichloroethane		1.	U				
106-93-4	1,2-Dibromoethane		1.	U				
127-18-4	Tetrachloroethene		1.	U				
591-78-6	2-Hexanone		5.	U				
124-48-1	Dibromochloromethane		1.	U				
108-90-7	Chlorobenzene		1.	U				
100-41-4	Ethylbenzene		1.	U				
1330-20-7	Xylene (total)		1.	U				
100-42-5	Styrene		1.	U				
75-25-2	Bromoform		1.	U				

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VOA	SHORT ID -----> ORIGINAL ID -----> SAMPLE DATE -----> DATE ANALYZED -----> MATRIX -----> UNITS ----->	EPZ-5 P25G000508 07/26/01 08/02/01 Water UG/L					
CAS #	Parameter	47116	VAL				
108-86-1	Bromobenzene		1.	U			
79-34-5	1,1,2,2-Tetrachloroethane		1.	U			
541-73-1	1,3-Dichlorobenzene		1.	U			
106-46-7	1,4-Dichlorobenzene		1.	U			
95-50-1	1,2-Dichlorobenzene		0.2				

*** Validation Complete ***